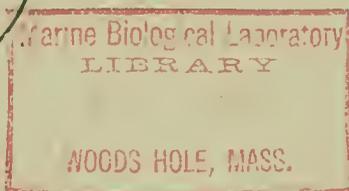


# LENGTH AND AGE FREQUENCY SAMPLES COLLECTED FROM GEORGES BANK HADDOCK LANDINGS, 1931-55



SPECIAL SCIENTIFIC REPORT-FISHERIES No. 438



UNITED STATES DEPARTMENT OF THE INTERIOR  
FISH AND WILDLIFE SERVICE



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COLLECTED FROM GEORGES BANK  
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by

James A. McCann  
and  
Frank A. Dreyer



United States Fish and Wildlife Service  
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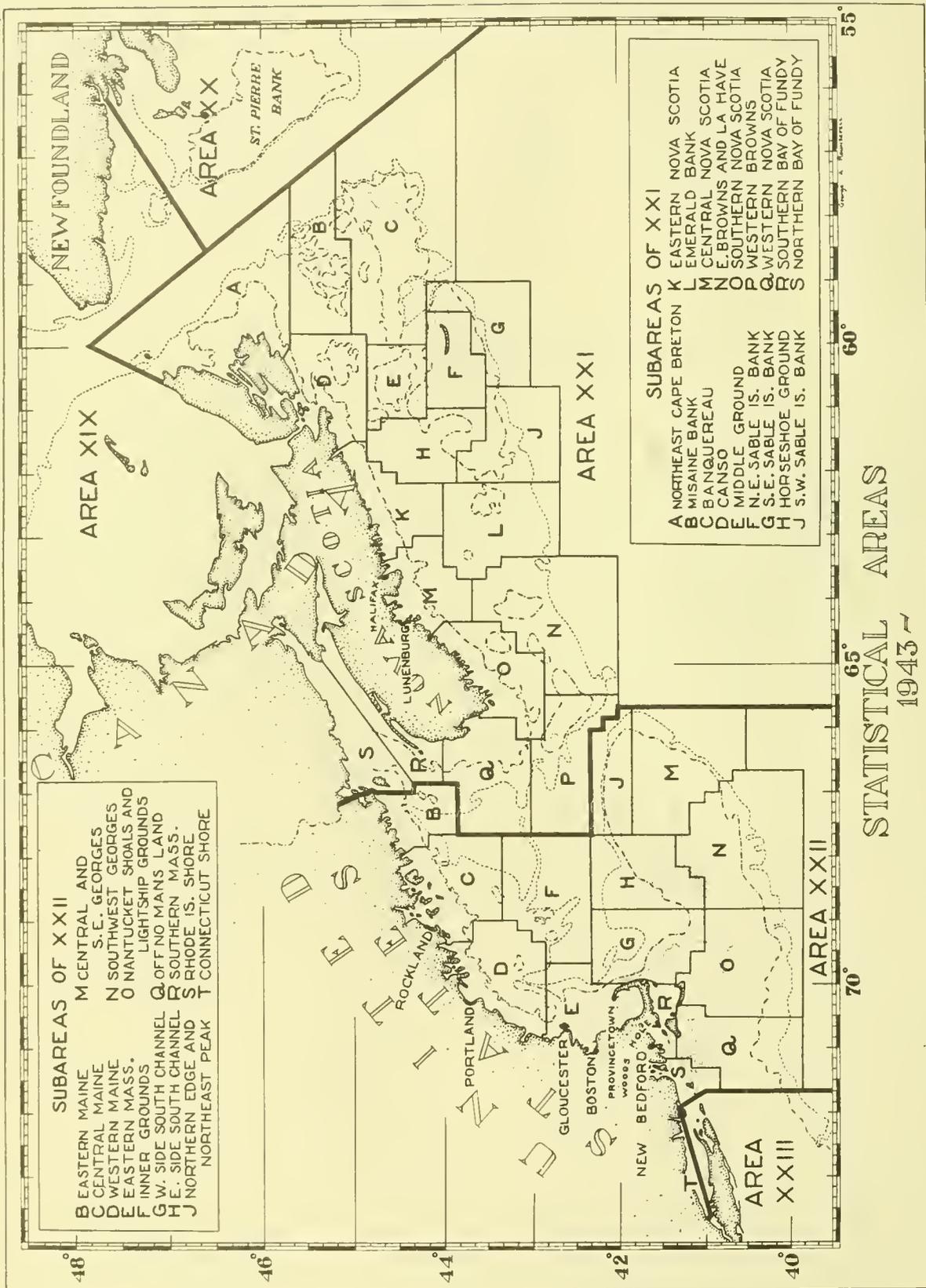


Figure 1.--Statistical subareas of the northwest Atlantic in which New England fishermen are active. Georges Bank is defined by subareas XXII G, H, J, M, N, O, Q, R, S, and T, which correspond to Subarea 5Z of the International Commission for the Northwest Atlantic Fisheries (ICNAF).

# LENGTH AND AGE FREQUENCY SAMPLES COLLECTED FROM GEORGES BANK HADDOCK LANDINGS, 1931-55

by

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and  
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## ABSTRACT

The development of the North Atlantic haddock investigation is briefly reviewed, and the methods used to collect length frequency and scale sample data are discussed. These sample data are presented in 125 tables.

## INTRODUCTION

The haddock fishery of Georges Bank (fig. 1) has been under investigation by biologists of the Bureau of Commercial Fisheries since 1931. Early investigators decided that estimates of the size and age compositions of the catch must be obtained to provide part of the basic data needed to estimate the vital statistics of the population. Consequently, the collection of sample length-frequency and sample scale data from the landings of haddock was begun at Boston, New England's major fishing port, in the fall of 1931. Sampling was extended to include landings in Gloucester and New Bedford, Mass., in 1942, and in 1953 to Provincetown, Mass., Rockland and Portland, Maine (Rounsefell, 1948 and 1957).

The purpose of this publication is to present quarterly<sup>1</sup> sample length-frequency and sample age-length-frequency distributions by 1-cm. length intervals for the U.S. commercial haddock landings from Georges Bank for 1931-55.

Since 1956, haddock biostatistics for Georges Bank and other areas have appeared regularly in the Sampling Yearbook published by the International Commission for the Northwest Atlantic Fisheries.

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<sup>1</sup>For studies of haddock on Georges Bank, the year is divided into quarters beginning in February (Schuck, 1951). Thus, spring includes February-April, summer is May-July, fall is August-October, and winter is November-January.

## BASIC TABLES

A major change that occurred in fishing practices of the haddock fleet should be noted here. In June 1953, pursuant to regulation (Graham and Premetz, 1955), the commercial haddock fleet was required to increase the size of mesh used in their trawl nets from 2 7/8 inches to at least 4 1/2 inches. This resulted in a marked reduction of the number of small haddock caught and discarded at sea by the commercial fleet in the years following introduction of the regulation.

## METHOD OF SAMPLING

Samples were taken only from the landings of vessels which had fished entirely on Georges Bank during the trip. Vessels which fished both on Georges Bank (5Z) and in adjacent areas during a trip were not sampled. This was to ensure that the location from which the fish were taken was known exactly.

After the fish are landed and sold to dealers at auction, they are packed by market category<sup>2</sup> into wooden crates (holding from 100 to 500 pounds) and transported to processing plants. The fish could only be sampled in the short time between their arrival at the plant and the start of processing.

Length frequency samples of 50 scrod and 100 large haddock were obtained by measuring the fork length of the required numbers of fish from the top layers of these packed crates. Unlike length-frequency samples, scale samples were selected to include as large a range of fish lengths as were accessible. Any bias due to selection was later adjusted by properly weighting each size group by the nonselective length-frequency samples.

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<sup>2</sup>Scrod haddock weigh from 1 1/2 to 2 1/2 pounds gutted; large haddock weigh over 2 1/2 pounds.

The remainder of this report consists of 125 tables representing the seasonal sample data by 1-cm. groups for lengths and ages of haddock in the commercial haddock landings from Georges Bank during 1931-55.

The methods used to convert these sample data into the estimated numbers and pounds landed for Georges Bank for each season and market category are described by Schuck (1951) and Clark and Dreyer (1961).

## LITERATURE CITED

- CLARK, JOHN R., and FRANK A. DREYER.  
1961. Biostatistics of the New England haddock fishery, 1956. U.S. Fish and Wildlife Service, Special Scientific Report--Fisheries No. 375, 89 p.
- GRAHAM, HERBERT W., and ERNEST D. PREMETS.  
1955. First year of the mesh regulation in the Georges Bank haddock fishery. U.S. Fish and Wildlife Service, Special Scientific Report--Fisheries No. 42, 29 p.
- ROUNSEFELL, GEORGE A.  
1948. Development of fishery statistics in the North Atlantic. U.S. Fish and Wildlife Service, Special Scientific Report No. 47, 18 p.
1957. A method of estimating abundance of groundfish on Georges Bank. U.S. Fish and Wildlife Service, Fishery Bulletin 113, vol. 57, p. 265-278.
- SCHUCK, HOWARD A.  
1951. Studies of Georges Bank haddock. Part 1: Landings by pounds, numbers, and sizes of fish. U.S. Fish and Wildlife Service, Fishery Bulletin 66, vol. 52, p. 151-176.

Table 1.--Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (1CNAF, 5Z) for 1931

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27										
8										
9										
30						1		1		2
1						--		--		--
2						--		--	2	2
3						--		--	2	2
4						--	2	2	3	7
5						3	5	15	33	56
6						4	16	30	107	157
7						11	35	68	179	293
8			1		1	14	66	127	232	439
9			2		2	16	103	250	392	761
40	5	1	10	1	17	32	115	358	442	947
1	1	3	5	9	18	36	144	452	467	1,119
2	4	7	15	15	41	58	146	487	500	1,191
3	12	26	17	27	82	79	122	459	426	1,086
4	23	21	44	50	138	73	110	373	435	991
5	49	52	67	109	277	61	95	255	329	740
6	76	88	75	91	330	42	73	182	245	542
7	133	140	93	99	465	39	74	104	153	370
8	167	179	104	94	544	23	40	60	73	196
9	216	193	153	73	635	8	25	30	47	110
50	291	270	202	105	868	3	16	12	7	38
1	305	257	236	110	908	6	7	8	2	23
2	299	260	225	117	901	1		5	--	6
3	307	267	234	101	909	2		2	--	4
4	345	221	262	121	949	--		4	1	5
5	313	231	288	132	964	1		--	1	2
6	338	219	277	125	959			1	3	4
7	342	242	289	144	1,017				--	--
8	289	190	256	118	853				1	1
9	273	198	249	127	847					
60	258	175	231	111	775					
1	205	131	231	113	680					
2	171	146	195	95	607					
3	154	109	164	96	523					
4	133	91	149	75	448					
5	94	69	129	71	363					
6	61	76	84	46	267					
7	59	53	69	44	225					
8	36	36	45	42	159					
9	22	29	36	26	113					
70	18	19	29	16	82					
1	15	21	22	15	73					
2	11	12	27	20	70					
3	6	5	20	9	40					
4	7	6	13	10	36					
5	4	8	12	3	27					
6		1	9	1	11					
7		--	1	1	2					
8		--	3		3					
9		--	1		1					
80		1	--		1					
1		--	1		1					
2		--	1		1					
3		--	1		1					
4		1			1					
5										
Number measured	5,042	4,054	4,577	2,562	16,235	513	1,194	3,285	4,102	9,094
Est. sample weight	18,349	13,055	17,479	9,813	58,696	924	1,770	5,442	6,645	14,781
Actual lbs. landed (thou-sands)	29,611	33,610	23,827	10,491	97,539	894	1,255	5,266	10,086	17,501
Est. number landed (thou-sands)	8,117	10,799	6,164	3,006	28,086	492	816	3,186	6,547	11,041

Table 2.--Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1931

Length (cm.)	Age in years										Scrod									
	Large									Total	Scrod									Total
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																			9	
8												3	1						4	
9												3	--						3	
30												4	--						4	
1												4	--						4	
2												6	--						6	
3												4	--						4	
4												1	--						1	
5												2	--						2	
6												5	--						5	
7												1	--						1	
8												1	1						2	
9												1	--						1	
40												1	1						1	
1												--		1					1	
2												--		--					--	
3												1		--					1	
4												--		--					--	
5				3					3			--		--					--	
6			1	1					1			--		--					--	
7		1	1						2			1		1					2	
8		2	3						5			1	2	--					3	
9			--	5					5			--	1	--					1	
50			1	1					2			1	--	--					1	
1			3	6	1				10				1	--					1	
2			4	7	1				12					--					--	
3			3	3	2				8					2	1				3	
4			1	3	1				5					--					--	
5			1	5	4				10					3					3	
6			--	2	2				4											
7			--	2	3	--			5											
8			1	6	4	5	1		17											
9				4	2	1	1		8											
60				4	5	4	1		14											
1				2	3	2	1	1	9											
2				--	5	1	--	1	7											
3				1	1	4	3	--	9											
4					2	3	--	--	5											
5					1	1	2	--	4											
6					--	2	--	2	4											
7					--	--	--	1	1											
8					--	--	--	1	1											
9					--	--	--	--	--											
70					--	--	--	1	1											
1					1	1			2											
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total		3	23	57	43	29	12	4	171	--	44	7	4	7	1				63	

Table 3. --Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1931

Length (cm.)	Age in years										Scrod					Total						
	Large					Total					1	2	3	4	5		6	7	8	9+		
27																						1
8																						7
9																						2
30																						4
1																						10
2																						8
3																						9
4																						8
5																						8
6																						9
7			1																			10
8		--	--																			6
9		--	--																			10
40		--	--																			6
1		--	--																			4
2		--	--	1																		2
3		--	--	--																		2
4	2	--	--	1																		--
5		--	--	1																		--
6		--	--	1																		--
7		3	3	1																		2
8			7	--																		1
9			6	1																		1
50			2	2	1																	1
1			3	2	1																	1
2			2	1	--																	4
3			2	4	1																	3
4			--	2	1																	--
5			1	5	1																	1
6			2	5	2																	1
7			--	4	--																	2
8			1	3	2	1																--
9			--	4	3	--																1
60			1	2	3	3																1
1			--	--	3	2																--
2			--	--	--	--																2
3			1		1	1	1															
4					1	--	--															
5					--	--	--															
6					--	--	1	--														
7					--	--	--															
8					1		1															
9							1															
70							1															
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
80																						
1																						
2																						
3																						
4																						
5																						
Total	2	4	35	36	21	8	3	1	110			99	9	6	10	3	5				132	

Table 4. --Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1931

Length (cm.)	Age in years																		
	Large					Scrod													
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
30																			
1																			
2																			
3																			
4																			
5											1								1
6											--								--
7											6								6
8											4								4
9											9								9
40											16	1							17
1											22	--							22
2											20	1							21
3											14	2							16
4											14	1							15
5											7	2	1						10
6											6	3	1						10
7											3	--	2						5
8				1					1		1	2	--		1				4
9				--					--		--	1	3	1					5
50		3	2	1	1				7		1	2	4	1					8
1		1	1	6	3				11										
2		1	2	1	2				6										
3		1	3	7	2				13										
4		2	2	3	3	1	1		12										
5		1	1	8	3	--	--		13										
6		2	6	7	8	3	--		26										
7			1	5	5	1	--		12										
8			1	2	3	1	--		7										
9			1	3	9	7	1		21										
60				1	1	3	2		7										
1				1	1	8	5	1	16										
2				--	2	4	2	--	8										
3				--	1	4	3	--	8										
4				--	1	2	3	--	6										
5				1	1	2	3	1	8										
6					--	2	3	--	5										
7					--		2	--	2										
8					2		--	--	2										
9							--	--	--										
70							1	--	1										
1							1	--	1										
2							2	2	4										
3							--	2	2										
4							--	1	1										
5							--		--										
6							1		1										
7																			
8																			
9																			
80																			
1																			
2																			
3																			
4																			
5																			
Total		11	20	47	48	38	30	7	201		124	15	11	2	1				153

Table 5.--Sample age composition of large and scrod haddock landings from Georges Bank for November 1931-  
January 1932

Length (cm.)	Age in years																		Total
	Large									Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
30																			
1													1						1
2													2						2
3													2						2
4													1						1
5													3	1					4
6													5	2					7
7													2	1					3
8													5	3					8
9													1	2					3
40													3	3					6
1													--	10					10
2													6	10					16
3													3	9					12
4													1	5					6
5													1	5		1			7
6													1	5	--				6
7													--	1	--				1
8													1		--		1		2
9																2			2
50															1		2		3
1				2	5				7										
2				1	1	3			5										
3				1	5	4			10										
4				2	3	5			10										
5				2	3	1		1	7										
6				2	5	3	2		12										
7				--	--	1	1		2										
8				2	2	3	--		7										
9				--	5	2	--		7										
60				1		5	2	1	9										
1						5	2	--	7										
2						1	1	--	2										
3						1	1	1	3										
4						1	1	2	4										
5							2	1	3										
6							1	1	2										
7							1	--	2										
8								1	2										
9								1	2										
70								--	--										
1								--	1	1									
2								--	--	--									
3								--	1	1									
4								--	--	--									
5								--	1	1									
6								--	--	--									
7								1	1										
8																			
9																			
80																			
1																			
2																			
3																			
4																			
5																			
Total				13	29	34	13	8	8	105			38	57	4		2	1	102

Table 6.--Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1932

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27										
8										
9						1				1
30						3				3
1						1				1
2						3	2			5
3						4	2	1	1	8
4				1	1	10	3	--	--	13
5				--	--	27	7	--	3	37
6				--	--	56	11	1	11	79
7			1	--	1	128	23	10	16	177
8		1	1	1	3	130	63	42	32	267
9		--	1	--	1	200	83	49	77	409
40		1	1	1	3	309	156	154	135	754
1	3	4	3	2	12	337	213	227	233	1,010
2	4	8	8	10	30	344	257	406	352	1,359
3	8	9	27	15	59	341	299	576	415	1,631
4	39	37	63	33	172	347	305	748	547	1,947
5	57	101	171	68	397	249	312	723	526	1,810
6	96	181	285	137	699	205	256	694	526	1,681
7	102	267	534	204	1,107	97	190	511	388	1,186
8	141	336	705	276	1,458	66	121	352	254	793
9	151	355	740	324	1,570	33	75	189	135	432
50	154	363	828	316	1,661	13	37	98	51	199
1	155	336	686	306	1,483	7	20	33	19	79
2	206	318	643	267	1,434	--	3	20	9	32
3	152	257	602	174	1,185	--	5	7	5	17
4	195	288	416	172	1,071	1	2	5	4	12
5	176	273	405	167	1,021	1		1	1	3
6	190	275	293	128	886			1	--	1
7	222	249	301	119	891			1	--	1
8	200	299	234	120	853				1	1
9	189	244	198	104	735					
60	167	307	215	115	804					
1	160	249	189	99	697					
2	140	277	159	92	668					
3	121	220	166	83	590					
4	89	203	157	66	515					
5	89	176	112	61	438					
6	73	140	105	69	387					
7	53	103	76	27	259					
8	56	90	72	25	243					
9	35	82	42	25	184					
70	18	64	30	12	124					
1	16	40	29	14	99					
2	6	25	24	13	68					
3	9	23	15	5	52					
4	5	11	9	2	27					
5	2	12	5	5	24					
6	3	12	2	1	18					
7	2	4	2	1	9					
8		1	1	--	2					
9		--	1	2	3					
80		1	--		1					
1		--	1		1					
2		2			2					
3		--			--					
4		--			--					
5		1			1					
Number measured	3,484	6,245	8,558	3,662	21,949	2,913	2,445	4,849	3,741	13,948
Est. sample weight	13,029	21,009	27,621	12,212	73,871	4,809	4,110	9,423	7,186	25,528
Actual lbs. landed (thousands)	18,136	19,534	23,303	12,934	73,907	6,955	8,737	11,799	4,022	31,513
Est. number landed (thousands)	4,859	5,831	7,318	3,894	21,902	4,204	5,206	6,075	2,094	17,579

Table 7. --Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1932

Length (cm.)	Age in years										Age in years											
	Large										Scrod											
	2	3	4	5	6	7	8	9+	Total		1	2	3	4	5	6	7	8	9+	Total		
27	NO AGES AVAILABLE																					
8																						
9																						
30																						
1																						
2													1								1	
3													--								--	
4																					--	
5																					1	
6													1	--							1	
7														3							3	
8														1							1	
9														4							4	
40														3							3	
1														3							3	
2														5							5	
3														2							2	
4														4							4	
5														4							4	
6														11							11	
7														1		1					2	
8														2	1	1					4	
9														--	--	--					--	
50														1	--	1					2	
1														1	--	1					2	
2														1	1	1					3	
3															--	1					1	
4															--	--					--	
5															--	--					--	
6															--	--					--	
7															--	--					--	
8															1	--					1	
9																1	1				2	
60																						
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
70																						
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
80																						
1																						
2																						
3																						
4																						
5																						
Total													2	47	3	7	1				60	

Table 8. --Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1932

Length (cm.)	Large									Scrod										
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27	NO AGES AVAILABLE																			
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
40																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
50																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
60																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
70																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total												2	18							20

Table 9. --Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1932

Length (cm.)	Age in years										Total								
	Large									Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27										3									3
8										--									--
9										--									--
30										1									1
1										1									1
2										--									--
3										--									--
4										1									1
5										--									--
6																			--
7											1								1
8											2								2
9											1								1
40											1								1
1																			--
2																			--
3		1	1						2										--
4		--	4						4										--
5		--	1						1										--
6		--	9						9										1
7		--	12						12			1							3
8		1	6				1		8			2							2
9			5				--		5			1							1
50			2				--		2			--							--
1			9	1			1		11			2							2
2			4	--	1	--			5						1				1
3			4	1	1	--			6						1				1
4			4	--	1	--			5						--				--
5			6	--	--	--			6						--				--
6			1	--	3	--			4						--				--
7			2	--	2	--		1	5						--				--
8				1	1	3	--		5						--				--
9				--	1	--			1						1				1
60				3	1	3	1	--	8										
1				--	--	1	1		2										
2				2	2	1	--		5										
3				1	2	2	1		6										
4				1	1	--	--	1	3										
5				1	1	--	1	--	3										
6				--	--	--	--	--	--										
7				--	1	--	--	--	1										
8				--	--	1	--	--	2										
9				1			--	--	1										
70							--	--	--										
1							--	--	--										
2							1	--	1										
3								1	1										
4								--	--										
5								--	--										
6								1	1										
7								--	--										
8								1	1										
9																			
80																			
1																			
2																			
3																			
4																			
5																			
Total	2	70	6	17	15	6	6	4	126	6	5	9			3				23

Table 10. --Sample age composition of large and scrod haddock landings from Georges Bank for November 1932-

January 1933

Length (cm.)	Large										Scrod									Total
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27											1								1	
8																			--	
9												1							1	
30												2							2	
1												4							4	
2												6							6	
3												9							9	
4												11							11	
5												5							5	
6												2							2	
7												4							4	
8												--							--	
9												1							3	
40														2					--	
1														--					--	
2														1					1	
3														2		2			4	
4														1	--				1	
5														--	2				2	
6														1	4				5	
7														--	2				2	
8														--	3				3	
9														--	3				3	
50														1	3				4	
1		1	1	1						3					--				--	
2			4	--						4					--				--	
3			4	1						5					--				--	
4			2	--						2					1				1	
5			--	--	1					1									1	
6			1	1	2					4									4	
7			--	--	1					1									1	
8			2	2	1					5									5	
9			--	--	4	2				6									6	
60			1	2	3					6									6	
1			--	--	2				3	5									5	
2			1	1	1	1	1	1	5	5									5	
3				5	1	1	--	7	7	7									7	
4				--	1	1	--	2	2	2									2	
5				2	1	2	1	6	6	6									6	
6					1	4	--	5	5	5									5	
7					1	--	--	1	1	1									1	
8					1	4	1	6	6	6									6	
9						1	1	2	2	2									2	
70							1	2	3	3									3	
1							--	--	--	--									--	
2							1	1	1	1									1	
3							1	1	1	1									1	
4							--	--	--	--									--	
5							--	--	--	--									--	
6							--	--	--	--									--	
7							--	--	--	--									--	
8							--	--	--	--									--	
9							--	--	--	--									--	
80								1	1	1									1	
1																				
2																				
3																				
4																				
5																				
Total		1	14	7	19	14	15	12	82	1	45	8	20						74	

Table 11. --Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1933

Length (cm.)	Large					Scrod					
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total	
27											
8								3		3	
9								1		1	
30								6		6	
1								18		18	
2								18	2	20	
3								11	6	17	
4							2	1	6	29	
5							5	6	23	57	
6							27	16	30	100	
7							35	43	65	171	
8			1		1		51	62	115	259	
9		2	1		3		86	86	190	53	415
40		5	3	1	9		107	86	239	88	520
1		7	3	1	11		155	107	339	102	703
2	2	7	12	1	22		220	119	325	122	786
3	9	10	17	3	39		317	112	320	114	863
4	14	18	43	8	83		397	114	237	95	843
5	35	32	91	20	178		441	121	170	78	810
6	74	85	181	33	373		416	141	140	49	746
7	112	152	250	52	566		285	141	90	48	564
8	143	195	323	93	754		240	96	52	20	408
9	209	245	378	121	953		149	100	22	12	283
50	277	286	431	146	1,140		84	72	13	3	172
1	298	302	442	166	1,208		40	41	7	2	90
2	250	285	459	170	1,164		21	41	1	2	65
3	250	263	428	142	1,083		3	37			40
4	229	306	372	150	1,057	--		39			39
5	210	200	360	150	920	1		34			35
6	183	185	274	140	782			29			29
7	192	194	235	118	739			24			24
8	199	147	218	83	647			16			16
9	168	134	159	67	528			8			8
60	164	135	120	82	501			4			4
1	144	85	95	80	404			3			3
2	132	88	105	59	384			3			3
3	106	78	54	56	294						
4	102	85	64	43	294						
5	93	58	55	41	247						
6	65	32	43	31	171						
7	55	40	41	22	158						
8	34	32	25	27	118						
9	27	17	15	13	72						
70	22	22	11	11	66						
1	17	19	11	10	57						
2	9	8	8	3	28						
3	3	4	5	4	16						
4	3	3	7	3	16						
5	1	1	2	5	9						
6	1	2	3	1	7						
7	--	4	--	--	4						
8	2	1	--	1	4						
9		--	1		1						
80		--	1		1						
1		1	1		2						
2			--		--						
3			1		1						
4											
5											
Number measured	3,834	3,775	5,349	2,157	15,115	3,082	1,702	2,455	911	8,150	
Est. sample weight	13,830	11,598	17,229	7,929	50,586	5,975	2,371	4,583	1,499	14,428	
Actual lbs. landed (thousands)	18,367	20,715	19,495	4,265	62,842	4,116	4,520	8,631	1,531	18,798	
Est. number landed (thousands)	5,092	6,765	6,147	1,172	19,176	2,124	3,623	5,035	936	11,718	

Table 12. --Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1933

Length (cm.)	Age in years										Scrod									
	Large																			
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5																				
6	1								1		1								1	
7	4								4		4								4	
8	2								2		2								2	
9	1								1		1								1	
40	1								1		1								1	
1		1	1						2			1	2						3	
2		1	1						2			--	1						1	
3		1	2						3			1	2						3	
4		--	2						2			--	2						2	
5		1	3						4			1	3						4	
6		--	4	1					5			2	1	1					3	
7		1	2	--					3				1						1	
8			1	--					1				--						--	
9			--	--					--				--						--	
50			--	1					1				--						--	
1			3	1					4				1						1	
2			2	--					2											
3			1	--					1											
4			1	1					2											
5			1	1		1	1		4											
6			--		1	--	--	1	2											
7			--		--	--	--	--	--											
8			1		1	1	--	--	3											
9					1	--	--	--	1											
60					1	--	--	1	2											
1					--	1	--	--	1											
2					--	--	--	--	--											
3					1	1	1	--	3											
4					--	1	--	--	1											
5					--	--	--	--	--											
6					--	--	--	--	--											
7					--	--	--	--	1											
8					--	--	--	1	1											
9					--	--	--	1	1											
70					1				1											
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total	9	5	25	5	6	5	3	4	62		9	3	14	1					27	



Table 14. --Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1933

Length (cm.)	Age in years										Scrod									
	Large										Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27			NO AGES AVAILABLE							5									5	
8			Used table of average ages							6									6	
9										11									11	
30										11									11	
1										7									7	
2										9									9	
3										3									3	
4										2									2	
5										1	2								3	
6											1								1	
7											3								3	
8											10								10	
9											12								12	
40											11	1							12	
1											17	--							17	
2											25	--							25	
3											27	4	1						32	
4											12	1	1						14	
5											5	1	1						7	
6											5	3	1	1					10	
7											1	2	2		1				5	
8											1	1	1						3	
9													--						--	
50													1						1	
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
60																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
70																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total										55	132	13	8	1					209	

Table 15.--Sample age composition of large and scrod haddock landings from Georges Bank for November 1933-

January 1934

Length (cm.)	Age in years																			
	Large									Total	Scrod									Total
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
40																				
1																				
2			1						1											
3		--	1						1											
4		--	--						--											
5		--	--						--											
6		--	1						1											
7		2	--						2											
8		--	--						--											
9		--	1						1											
50		1	1						2											
1			--	3					3											
2			1	--					1											
3			--	--					--											
4			--	1					1											
5			--					1	1											
6			1						1	1										
7			1						--	1										
8							1		--	1										
9						1	--		--	1										
60						--	--		--											
1						--	--		--											
2						--	--		--											
3						--	1		1											
4						--			--											
5						--			--											
6						--			--											
7						--			--											
8						--			--											
9						--			--											
70						1			1											
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total		4	7	4	2	2	1	2	22											

Table 16. --Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1934

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27									11	11
8									15	15
9									36	36
30							2	1	64	67
1						1	1	--	63	65
2						--	--	2	67	69
3						--	1	5	67	73
4						1	8	16	77	102
5						4	14	42	99	159
6						6	35	71	110	222
7						8	45	142	147	342
8						8	52	191	161	412
9	1			1	2	14	77	302	184	577
40	--			--	5	24	77	294	229	624
1	2	--	6	1	9	33	109	295	312	749
2	1	6	9	5	21	74	156	270	283	783
3	4	6	24	12	46	72	177	209	251	709
4	11	18	31	15	75	79	231	154	204	668
5	32	22	58	59	171	101	245	155	134	635
6	50	53	98	70	271	87	292	148	77	604
7	103	97	149	116	465	66	182	129	60	437
8	166	146	205	119	636	45	149	73	22	289
9	185	233	267	139	824	23	90	53	6	172
50	211	214	357	147	930	14	41	23	5	83
1	224	264	350	167	1,005	11	18	9	4	42
2	243	220	326	147	936	3	7	3	2	15
3	216	222	284	120	842	--	2	--	1	3
4	218	224	275	115	832	1	1	--		2
5	191	211	225	94	721		--	--		--
6	226	176	212	73	687		1	--		1
7	166	178	201	68	613		--	1		1
8	139	166	173	64	542		--			--
9	149	149	125	35	458		--			--
60	149	157	122	48	476		--			--
1	93	118	96	54	361		1			1
2	89	92	79	33	293					
3	88	84	65	25	262					
4	86	84	49	21	240					
5	58	47	42	12	159					
6	55	39	18	14	126					
7	47	30	22	14	113					
8	30	25	20	16	91					
9	29	20	12	7	68					
70	11	12	6	6	35					
1	17	9	3	4	33					
2	10	4	1	2	17					
3	3	6	4	1	14					
4	9	4	3	3	19					
5	2	2	1	4	9					
6	2	1	1		4					
7	3		--		3					
8	3		--		3					
9	1		1		2					
80										
1										
2										
3										
4										
5										
Number measured	3,323	3,341	3,924	1,831	12,419	675	2,014	2,588	2,691	7,968
Est. sample weight	11,938	10,536	12,745	5,997	41,216	1,289	3,321	4,146	3,791	12,547
Actual lbs. landed (thousands)	7,261	13,953	12,780	2,914	36,908	1,605	3,488	6,038	1,845	12,976
Est. number landed (thousands)	2,028	4,464	3,907	912	11,311	849	2,117	3,742	1,316	8,024

Table 17. -- Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1934

Length (cm.)	Age in years										Scrod										
	Large										Scrod										
	2	3	4	5	6	7	8	9+	Total		1	2	3	4	5	6	7	8	9+	Total	
27																					
8																					
9																					
30																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
40		1							1												
1									--				2								2
2			2						2				4								4
3			1						1				4	1							5
4			3						3				8								8
5			8	3					11				3								3
6			6	2					8				2								2
7			6	3					9												
8			--	3	2				5												
9			1	1	3				5												
50			1	--	4	3			8												
1			1	4	6	--			11												
2				2	4	3			9												
3				2	3	1			6												
4				3	2	--			5												
5				--	3	2			5												
6				2	5	6	1		14												
7				--	4	2	1		7												
8				1	1	3	--		5												
9					5	5	1	1	12												
60					3	3	--	--	7												
1					2	5	1	--	8												
2						2	3	4	9												
3						3	3	2	9												
4						2	4	1	7												
5							2	1	3												
6							3	1	5												
7								--	2												
8								2	3												
9								2	2												
70								--	2												
1									1												
2									1	--											
3									1	2											
4									1												
5										1											
6																					
7																					
8																					
9																					
80																					
1																					
2																					
3																					
4																					
5																					
Total	1	29	26	47	40	19	16	10	188				23	1							24

Table 18. --Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1934

Length (cm.)	Age in years										Scrod										
	Large									Total	Scrod									Total	
	1	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																					
8																					
9																					
30																					
1																					
2																					
3																					
4																					
5																					
6			3	1						4					1						1
7			4	5						9					1						1
8			2	1						3					4						4
9			3	5	1					9					6	1					7
40			3	5	3					11					7	2	1				10
1			1	8	5					14					1	4	--				5
2			1	8	4					13					1	9	--				10
3			1	10	3					14					--	6	--				6
4			1	6	1					8					--	9	3		1		13
5			--	4	6	1				11					1	6	1	--			8
6			1	6	4	--				11					--	--	--				--
7				3	3	--				6					5	4	--				9
8				3	1	1				5					8	1	2				11
9				3	5	2		2		12					1	2	4				7
50				--	3	3	3			9					1		--		1		2
1				2	3	3	1			9							1				1
2					--	3	--		1	4											
3					--		2			2											
4					1		2			3											
5							2		1	4											
6							1		--	1											
7							1		--	1											
8							1		--	1											
9							1		--	1											
60							1		1	2											
1									--	--											
2									--	1											
3								1		1											
4																					
5																					
6																					
7																					
8																					
9																					
70																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
80																					
1																					
2																					
3																					
4																					
5																					
Total			20	70	43	13	17	3	5	171			22	52	12	8	1				95

Table 19. --Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1934

Length (cm.)	Age in years										Scrod									Total
	Large										Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																			1	
3																			--	
4																			--	
5																			2	
6																			4	
7									1										8	
8		1							1										13	
9		--							--										18	
40		1							1										24	
1		1							1										18	
2		1							1										21	
3		--							--										7	
4		--							--										1	
5		--							--										8	
6		--							--										4	
7		1	6						7										2	
8			5						5										6	
9			8	1					9										6	
50			10	5					15										--	
1			11	2	1				14										1	
2			9	5	4				18										3	
3			7	8	3				18										--	
4			5	7	2	1			15										1	
5			--	4	6	--			10										--	
6			2	4	3	1			10										2	
7				2	3	--			5										--	
8				1	1	--	1		3										1	
9				2	6	--	--		8										--	
60				1	2	2	--	1	6										1	
1				2	5	1	--	1	9										3	
2				--	2	1	--	--	3										2	
3					1	1	--	--	2										1	
4					1	--	--	--	1										2	
5					1	1	--	--	2										1	
6						1	--	--	1										--	
7						--	--	--	--										1	
8						1	--	--	1										--	
9						--	--	--	--										1	
70							--	1	1										--	
1							--	--	--										1	
2							1		1										--	
3																			1	
4																			--	
5																			--	
6																			--	
7																			--	
8																			--	
9																			--	
80																			--	
1																			--	
2																			--	
3																			--	
4																			--	
5																			--	
Total	6	63	44	39	11	3	3		169		133	33	3						169	

Table 20.--Sample age composition of large and scrod haddock landings from Georges Bank for November 1934-

January 1935

Length (cm.)	Age in years										Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																			2	
30																			3	
1																			6	
2																			2	
3																			9	
4																			8	
5																			6	
6																			3	
7																			2	
8																			1	
9																			10	
40																			15	
1																			20	
2																			19	
3																			22	
4																			11	
5																			10	
6																			6	
7																			3	
8																			1	
9																			8	
50																			2	
1																			4	
2																			11	
3																			1	
4																			1	
5																			1	
6																			1	
7																			1	
8																			1	
9																			1	
60																			1	
1																			1	
2																			1	
3																			1	
4																			1	
5																			1	
6																			1	
7																			1	
8																			1	
9																			1	
70																			1	
1																			1	
2																			1	
3																			1	
4																			1	
5																			1	
6																			1	
7																			1	
8																			1	
9																			1	
80																			1	
1																			1	
2																			1	
3																			1	
4																			1	
5																			1	
Total		4	20	17	8				49		42	123	7	1					173	

Table 21. -- Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1935

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27									3	3
8									1	1
9									11	11
30									15	15
1							2		53	55
2							1	3	78	82
3						1	1	3	99	104
4						3	10	12	117	142
5						5	23	38	134	200
6						11	82	68	137	298
7						17	111	130	116	374
8						29	197	291	132	649
9		1			1	62	271	439	118	890
40	1	3			4	91	350	752	143	1,336
1	1	1	2	2	6	129	368	850	191	1,538
2	1	5	3	1	10	128	379	812	186	1,505
3	6	9	9	4	28	154	387	829	277	1,647
4	12	25	32	17	86	156	450	796	290	1,692
5	26	65	98	40	229	170	458	662	337	1,627
6	63	133	193	108	497	138	451	567	312	1,468
7	82	232	308	200	822	113	379	388	234	1,114
8	85	370	534	246	1,235	84	288	278	170	820
9	159	528	618	231	1,536	73	168	152	77	470
50	161	590	669	228	1,648	33	105	84	50	272
1	196	593	703	222	1,714	19	51	26	21	117
2	233	555	596	229	1,613	15	24	11	11	61
3	228	604	535	159	1,526	6	10	5	2	23
4	263	535	381	146	1,325	2	9	3	2	16
5	214	506	370	142	1,232	--	1		--	1
6	211	442	291	124	1,068	--	3		1	4
7	194	409	260	100	963	1	3			4
8	164	312	232	111	819					
9	164	271	134	74	643					
60	126	238	118	74	556					
1	156	223	83	86	548					
2	120	154	81	67	422					
3	112	136	61	64	373					
4	112	96	43	52	303					
5	63	99	27	62	251					
6	64	68	23	48	203					
7	46	49	13	30	138					
8	32	30	14	36	112					
9	30	24	9	22	85					
70	26	23	4	16	69					
1	27	9	3	13	52					
2	8	9	3	12	32					
3	5	2	4	6	17					
4	7	3	7	5	22					
5		3	--	2	5					
6		1	--	--	1					
7		--	--	1	1					
8		--	1	1	2					
9		1			1					
80										
1										
2										
3										
4										
5										
Number measured	3,398	7,357	6,462	2,981	20,198	1,440	4,582	7,199	3,318	16,539
Est. sample weight	12,594	22,178	19,673	10,344	64,789	2,699	7,303	12,405	5,471	27,878
Actual lbs. landed (thousands)	5,166	18,623	18,041	11,814	53,644	963	5,717	10,554	8,303	25,537
Est. number landed (thousands)	1,394	6,179	5,927	3,399	16,899	514	3,587	6,190	5,113	15,404

Table 22. -- Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1935

Length (cm.)	Age in years									Scrod									Total	
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+		Total
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8		1							1											1
9		--							--		2									5
40		--							--											5
1		1							1											6
2		2							2											4
3		2							2											11
4		4							6											8
5		5							6											18
6		7	3						10											17
7		7	5	2	3				17											19
8		7	7	3	1				18											18
9		7	9	9	--				25											6
50		3	22	12	--				37											6
1		2	12	12	--				26											1
2		1	12	14	4				31											4
3			8	13	3				24											2
4			7	17	4				28											1
5			5	13	12				30											
6			4	12	5	1		1	23											
7			1	9	11	--		--	21											
8			1	5	12	--	1	--	19											
9				3	8	3	--	--	14											
60				1	5	5	--	--	11											
1				5	3	2	1	--	11											
2				1	9	3	1	1	15											
3				--	4	2	2	--	8											
4				--	4	3	--	1	8											
5				1	2	2	2	2	9											
6					3	3	2	1	9											
7					2	2	2	1	7											
8						1	1	2	4											
9							--	1	1											
70							--	1	1											
1							--	--	--											
2							1	2	3											
3								1	1											
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total		49	99	132	95	27	13	14	429		2	98	22	8	2					132

Table 23. -- Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1935

Length (cm.)	Age in years										Scrod														
	Large										Scrod														
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total						
27	NO AGES AVAILABLE										NO AGES AVAILABLE														
8	Used table of average ages										Used table of average ages														
9																									
30																									
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
40																									
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
50																									
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
60																									
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
70																									
1																									
2																									
3																									
4																									
5																									
80																									
1																									
2																									
3																									
4																									
5																									
Total																									

Table 24. --Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1935

Length (cm.)	Age in years										Scrod										
	Large										Scrod										
	1	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																					
8																					
9																					
30																					
1																					
2																					
3																					
4																					
5																					
6	1									1		6									6
7	--									--	1	9									10
8	1									1		21									21
9	1									1		26									26
40	--									--		38									38
1	--									--		39									39
2	--									--		36									36
3	1									1		26	6								32
4	1	1								2		17	10								27
5	--	1								1		24	10	1							35
6	1	1								2		8	14	--							22
7	4	3								7		4	13	2	1						20
8	--	3								3			5	--							5
9	--	7								7			11	2							13
50	--	11	2							13			2	1							3
1	1	8	3	1						13			1	--							1
2		5	5	1						11			--	--							--
3		4	2	1						7			1	1							2
4		2	2	4						8				--							--
5		2	3	1						6				1							1
6	--	5	3	2						10											
7		1	6	4	2					13											
8		1	1	2	--					4											
9			1	3	1	2				7											
60			1	4	3	1				9											
1				2	1	--				3											
2				1	5	2				8											
3				1	3	--	1			5											
4					--	2	--			2											
5					1	--	--			1											
6					1	3	--			4											
7					1	1	1			3											
8					--	--	--			--											
9					--	--	--			--											
70					--	1				1											
1					1					1											
2						1				--											
3										--											
4										--											
5										--											
6									1	1											
7										--											
8										--											
9										--											
80										--											
1										--											
2										--											
3										--											
4										--											
5										--											
Total	11	50	31	28	21	12	2	1	156	1	254	73	8	1							337

Table 25. -- Sample age composition of large and scrod haddock landings from Georges Bank for November 1935-

January 1936

Length (cm.)	Age in years									Scrod									Total
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	
27												1							1
8												6							6
9												--							--
30												15							15
1												15							15
2												12							12
3												11							11
4												6							6
5												6	1						7
6												3	--						3
7												--	1						1
8												1	3						4
9												1	5						5
40			1						1				4						4
1		--							--			2		1					3
2		--							--			10	--						10
3		1							1			2	--						2
4		--							--			3	--						3
5		2							2			4	1						5
6		5							5			--	--						--
7		10							10			--	--						--
8		12	1						13			2	1						3
9		19	--						19			--	--						--
50		12	--						12			--	--						--
1		6	2						8			--	--						--
2		4	3	2					9			--	--						--
3		1	3	--					4				1						1
4		--	2	--					2			--	--						--
5		--	2	--					2				1						1
6		1	--	1	1				3										
7			1	1	1				3										
8			1	1	--				2										
9				2	1				3										
60				3	1	2			6										
1				--	--	--			--										--
2				--	1	--		1	2										
3				--	1	--		1	1										
4				1	--	--		--	--										
5					--	--		2	2										
6					--	--		--	2										
7						1	1		2										
8					--	--		--	--										
9						2	--		2										
70							1		1										
1								1	1										
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
80																			
1																			
2																			
3																			
4																			
5																			
Total		74	15	11	9	4	4	5	122		76	37	5						118

Table 26. --Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1936

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27							5	2		7
8							5	4	5	14
9						3	4	3	10	20
30						7	3	6	20	36
1						28	14	8	30	80
2						32	21	18	53	124
3						43	54	35	100	232
4						28	87	68	145	328
5						38	140	104	197	479
6			1	1	2	57	283	121	229	690
7			--	--	--	47	393	164	247	851
8		2	2	--	4	83	614	341	247	1,285
9		6	8	2	16	83	692	517	206	1,498
40	1	6	12	1	20	88	879	678	178	1,823
1	2	13	12	5	32	137	1,044	1,163	199	2,543
2	4	9	18	8	39	214	812	1,188	225	2,439
3	8	19	38	9	74	269	679	1,282	273	2,503
4	13	31	85	40	169	345	732	1,209	307	2,593
5	44	55	172	76	347	432	675	955	352	2,414
6	75	167	326	161	729	419	617	756	319	2,111
7	159	327	497	292	1,275	410	614	474	218	1,716
8	271	550	682	388	1,891	393	453	303	150	1,299
9	383	883	838	414	2,518	235	293	157	72	757
50	426	964	973	411	2,774	111	208	96	36	451
1	486	1,033	1,111	388	3,018	68	114	54	15	251
2	504	1,005	965	408	2,882	33	61	19	8	121
3	500	833	905	345	2,583	15	18	3	4	40
4	477	784	710	353	2,324	11	10	7	3	31
5	472	752	585	311	2,120	5	3	2	--	10
6	451	566	463	271	1,751	6	4	3	--	13
7	383	552	354	269	1,558	3	--		1	4
8	370	451	261	204	1,286		2			2
9	303	344	195	196	1,038					
60	241	314	170	141	866					
1	227	283	127	176	813					
2	201	186	90	114	591					
3	194	137	91	106	578					
4	158	157	60	122	497					
5	136	169	56	82	443					
6	88	105	53	61	307					
7	103	98	33	66	300					
8	65	64	31	38	198					
9	51	54	26	39	170					
70	38	40	15	24	117					
1	30	22	8	28	88					
2	23	23	8	17	71					
3	6	18	4	13	41					
4	8	6	4	5	23					
5	8	5	2	4	19					
6	5	1	2	5	13					
7		5	2	--	7					
8			--	--	--					
9			1	1	2					
80			--	--	--					
1			1		1					
2										
3										
4										
5										
Number measured	6,914	11,089	9,997	5,595	33,595	3,643	9,533	9,740	3,849	26,765
Est. sample weight	24,972	33,348	30,437	18,949	107,706	7,084	14,127	16,727	5,549	43,487
Actual lbs. landed (thousands)	13,828	17,218	16,359	6,663	54,068	3,872	9,604	12,933	3,541	29,950
Est. number landed (thousands)	3,839	5,723	5,408	1,993	16,963	2,033	6,598	7,561	2,232	18,424

Table 27. --Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1936

Length (cm.)	Age in years																			
	Large									Total	Scrod									Total
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
40																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
50																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
60																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
70																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total		30	54	28	14	17	2	8	153		9	106	36	18	6	1			176	

Table 28. --Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1936

Length (cm.)	Age in years										Scrod										
	Large										Scrod										
	1	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																					
8	NO AGES AVAILABLE										NO AGES AVAILABLE										
9	Used table of average ages										Used table of average ages										
30																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
40																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
50																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
60																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
70																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
80																					
1																					
2																					
3																					
4																					
5																					
Total																					

Table 29. -- Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1936

Length (cm.)	Age in years										Scrod									
	Large										Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3											1								1	
4											2	1							3	
5											1	2							3	
6	1								1			1							1	
7	--								--		--								--	
8	1								1			2							2	
9	1								1			2							2	
40	--								--			6							6	
1	--								--			5				1			6	
2	--								--			10							10	
3	1								1			7	1						8	
4	1	1							2			17	--						17	
5	--	1							1			14	--						14	
6	1	1							2			6	1						7	
7	4	3							7			6	--						6	
8	--	3							3			2	3						5	
9	--	7							7			1							1	
50	--	9	4						13											
1	1	8	3	1					13											
2		5	5	1					11											
3		4	2	1					7											
4		2	2	4					8											
5		2	3	1					6											
6	--	4	4	3	2				9											
7		1	6	4	2				13											
8		1	1	2	--				4											
9			1	3	1	2			7											
60			1	4	3	1			9											
1				2	1	--			3											
2				1	5	2			8											
3				1	3	--	1		5											
4					--	2	--		2											
5						1	2	--	3											
6						1	1	--	2											
7						1	1	1	3											
8						--	--	--	--											
9						--	--	--	--											
70						--	1		1											
1						1			1											
2									--											
3									--											
4									--											
5									--											
6								1	1											
7									--											
8									--											
9									--											
80									--											
1									--											
2									--											
3									--											
4									--											
5									--											
Total	11	48	32	28	21	12	2	1	155	4	82	5	1						92	

Table 30.--Sample age composition of large and scrod haddock landings from Georges Bank for November 1936-

January 1937

Length (cm.)	Age in years										Scrod										
	Large										Scrod										
	1	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																					
8																					
9																					
30																					
1																					
2																					
3																					
4																					1
5																					1
6																					4
7																					6
8																					3
9																					4
40																					8
1																					11
2																					10
3																					10
4																					18
5																					17
6																					15
7																					11
8																					8
9																					4
50																					--
1																					1
2																					--
3																					1
4																					--
5																					12
6																					11
7																					10
8																					4
9																					7
60																					6
1																					2
2																					2
3																					3
4																					2
5																					2
6																					2
7																					--
8																					--
9																					2
70																					2
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
80																					
1																					
2																					
3																					
4																					
5																					
Total			36	72	38	17	14	4	1	182			23	104	11	1					139

Table 31. --Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1937

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27								16	1	17
8								23	4	27
9						7		25	9	41
30						4		44	17	65
1						11		69	26	106
2						20		73	49	142
3						28	4	97	79	208
4						25	8	105	107	245
5						48	26	81	128	283
6						41	59	79	159	338
7						68	123	82	180	453
8	2			1	3	103	247	121	191	662
9	1		1	--	2	113	358	171	136	778
40	2	3	2	--	7	139	478	266	137	1,020
1	2	8	3	4	17	207	543	391	167	1,308
2	3	8	3	4	18	209	601	468	173	1,451
3	5	11	11	5	32	257	582	586	240	1,665
4	16	25	25	14	80	295	460	546	352	1,653
5	44	47	43	24	158	354	467	547	381	1,749
6	107	100	88	53	348	353	390	507	434	1,684
7	176	172	219	108	675	351	304	371	391	1,417
8	333	311	309	191	1,144	385	242	226	279	1,032
9	428	472	396	220	1,516	207	163	115	166	651
50	667	608	406	224	1,905	133	107	64	125	429
1	677	786	495	269	2,227	58	65	36	66	225
2	645	730	419	307	2,101	31	41	8	28	108
3	663	718	450	344	2,175	15	25	8	10	58
4	613	634	405	342	1,994	8	24	2	5	39
5	598	577	353	329	1,857	3	15	1	3	22
6	515	527	299	328	1,669	1	12		1	14
7	470	456	256	311	1,493	2	17		--	19
8	437	391	211	286	1,325		10		1	11
9	336	362	190	278	1,166		11			11
60	324	293	144	249	1,010		7			7
1	280	258	125	206	869		3			3
2	254	204	93	208	754		1			1
3	242	184	64	206	696		--			--
4	189	150	57	164	560		1			1
5	134	115	52	132	433					
6	127	111	34	113	385					
7	125	108	32	97	362					
8	96	78	35	87	296					
9	69	57	23	64	213					
70	59	80	11	50	200					
1	48	45	11	56	160					
2	32	39	7	36	114					
3	23	35	11	19	88					
4	16	25	2	23	66					
5	8	14	2	18	42					
6	8	13	2	9	32					
7	4	8	5	3	20					
8	1	10	--	4	15					
9	1	3	--	2	6					
80	--	--	--	1	1					
1	--	1	1	--	2					
2	1		1	1	3					
3				--	--					
4				--	--					
5				1	1					
Number measured	8,781	8,777	5,296	5,386	28,240	3,376	5,394	5,128	4,045	17,943
Est. sample weight	31,771	28,230	17,410	21,830	99,241	6,440	8,260	8,755	7,168	30,623
Actual lbs. landed (thousands)	19,705	17,431	17,647	9,588	64,371	5,514	8,423	14,665	2,482	31,084
Est. number landed (thousands)	5,504	5,517	5,366	2,367	18,754	2,828	5,512	8,056	1,384	17,780

Table 32.--Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1937

Length (cm.)	Age in years										Scrod									
	Large									Total	Scrod									Total
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				2
5																				1
6																				1
7																				1
8																				4
9																				2
40																				7
1																				10
2																				11
3																				7
4																				7
5																				6
6																				7
7																				10
8																				7
9																				6
50																				5
1																				4
2																				1
3																				1
4																				1
5																				1
6																				1
7																				2
8																				--
9																				2
60																				--
1																				--
2																				1
3																				1
4																				1
5																				1
6																				1
7																				2
8																				--
9																				2
70																				--
1																				1
2																				1
3																				1
4																				1
5																				1
6																				1
7																				1
8																				1
9																				1
80																				--
1																				--
2																				--
3																				--
4																				1
5																				1
Total		22	25	30	19	11	9	5	121		28	56	14	7	2		1		108	

Table 33. --Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1937

Length (cm.)	Age in years										Age in years									
	Large					Scrod					Large					Scrod				
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27	NO AGES AVAILABLE					NO AGES AVAILABLE					NO AGES AVAILABLE					NO AGES AVAILABLE				
8	Used table of average ages					Used table of average ages					Used table of average ages					Used table of average ages				
9																				
30																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
40																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
50																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
60																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
70																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total																				

Table 34. --Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1937

Length (cm.)	Age in years										Scrod									
	Large									Total	1	2	3	4	5	6	7	8	9+	Total
27																				
8																				
9												1								1
30												2								2
1												4								4
2												2								2
3												3								3
4												3								3
5												3								3
6												1	1							2
7												1	1							2
8												1	1							2
9	1									1			5							5
40	3									3			13							13
1	4									4			15							15
2	4									4			17							17
3	8									8			21	1						22
4	3									3			12	1						13
5	1									1			13	--						13
6	3	3								6			16	2						18
7	5	1								6			4	2						6
8	4	8								12			1	2						3
9	4	6	1							11			1	2	1					4
50	3	9	1							13			2	1						3
1		17	4							21			1	1						2
2		7	1							8				1						1
3		10	4							14			1							1
4		12	3	2						17										
5		4	3	1						8										
6		5	2	1						8										
7		3	2	1						6										
8		--	4	--						4										
9		1	2	5	1					9										
60			2	2	--			1		5										
1			1	1	--			--		2										
2			--	4	--	1	--	--		5										
3			1	--	--	--	--	--		1										
4				1	1	--	--	--		2										
5				--	--	2	--	--		2										
6				2		--	--	--		2										
7						--	--	--		--										
8						--	--	--		--										
9						--	--	--		--										
70							1	--		1										
1							--	--	1	--										
2							2	--		2										
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total	43	86	31	20	2	4	3	1	190	21	121	14	4							160

Table 35.--Sample age composition of large and scrod haddock landings from Georges Bank for November 1937-

January 1938

Length (cm.)	Age in years									Scrod									
	Large									Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
30																			
1																			
2																			
3												1							1
4												1							1
5												3							3
6												4							4
7												8							8
8												12							12
9												5	3						8
40												3	2						5
1		1							1			2	8	1					11
2		--							--			1	10	--					11
3		--							--				10	--					10
4		--							--				11	--					11
5		2	1						3				12	1					13
6		1	--						1				10	1					11
7		3	3						6				10	2					12
8		3	--						3				3	--					3
9		5	7	1					13				5	3					8
50		4	2	--					6				--	2					2
1		1	4	1					6				2	1	1				4
2			5	1					6						1				1
3			5	7	1	1			14										
4			5	5	2	--			12										
5			3	1	2	--			6										
6			1	2	7	2			12										
7				1	2	--			3										
8				1	5	2			8										
9				1	2	1	1		5										
60				2	1	4	--		7										
1				1	3	--	--		4										
2				--	4	4	--		8										
3				--	5	3	1	1	10										
4				--	1	--	--	--	1										
5				1	2	3	--	2	8										
6					1	2	2	1	6										
7						--	1	--	1										
8						--	--	1	1										
9						--	--	--	--										
70						--	--	--	--										
1						--	1	--	1										
2						--	1	--	1										
3						--	--	--	--										
4						--	--	--	--										
5						--	--	1	1										
6						--	--	--	--										
7						--	--	1	1										
8						--	1	--	1										
9						--	--	--	--										
80						--	--	--	--										
1						--	--	--	--										
2						--	--	--	--										
3						--	--	1	1										
4						--	--	--	--										
5						--	--	--	--										
Total		20	36	25	38	23	7	8	157		40	86	11	2					139

Table 36. --Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1938

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27						2	2		1	5
8						2	2		4	8
9						7	3		4	14
30						17	6		14	37
1						34	8		33	75
2						50	6	1	44	101
3						76	18	3	69	166
4						101	31	9	82	223
5						112	48	18	116	294
6						119	102	28	134	383
7						123	170	78	132	503
8	3	1		1	4	124	290	152	151	717
9	4	1		4	8	121	391	288	180	980
40	--	3	1	4	8	144	443	466	231	1,284
1	2	4	1	2	9	158	479	582	311	1,530
2	4	3	7	2	16	222	468	730	337	1,757
3	3	7	6	7	23	255	365	664	406	1,690
4	7	17	11	20	55	283	282	706	400	1,671
5	13	16	15	31	75	378	278	535	396	1,587
6	26	26	62	37	151	384	260	408	288	1,340
7	52	57	130	89	328	396	252	271	211	1,130
8	74	105	226	160	568	396	255	151	152	954
9	133	225	313	208	879	342	169	76	66	653
50	213	286	372	202	1,073	207	115	42	45	409
1	375	394	463	224	1,456	166	79	24	30	299
2	434	514	464	251	1,663	94	39	7	15	155
3	483	497	412	257	1,649	37	14	5	4	60
4	559	527	399	247	1,732	20	7	4	--	31
5	533	503	324	226	1,586	14	5	1	2	22
6	548	451	257	191	1,447	7	1	1	1	10
7	511	435	219	166	1,331	10	1			12
8	498	380	212	166	1,256	9	2			11
9	472	358	137	161	1,128	3	1			4
60	402	303	135	122	962	3				3
1	357	242	113	147	859	2				2
2	299	242	94	108	743	--				--
3	322	181	64	100	667	1				1
4	218	156	57	124	555					
5	212	138	47	69	466					
6	193	93	29	70	385					
7	141	81	21	71	314					
8	117	59	17	62	255					
9	76	57	14	46	193					
70	71	35	4	36	146					
1	63	41	14	30	148					
2	52	24	6	23	105					
3	26	20	4	22	72					
4	23	10	7	9	49					
5	22	8	3	12	45					
6	15	4	2	6	27					
7	8	7	2	4	21					
8	7	4	1	2	14					
9	3	1	1	--	5					
80	--	--	--	--	--					
1		1	--	1	2					
2			2		2					
3										
4										
5										
Number measured	7,574	6,520	4,668	3,716	22,478	4,419	4,592	5,250	3,860	18,121
Est. sample weight	29,173	20,966	15,697	14,224	80,060	8,632	6,939	9,094	6,424	31,089
Actual lbs. landed (thousands)	15,283	15,637	12,834	8,726	52,480	4,307	7,982	20,414	7,204	39,907
Est. number landed (thousands)	3,118	4,888	3,833	2,285	14,124	2,193	5,285	11,945	4,350	23,773

Table 37. -- Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1938

Length (cm.)	Age in years										Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
40																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
50																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
60																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
70																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total	1	34	59	36	35	14	6	7	192		30	93	21	3	3				150	

Table 38. --Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1938

Length (cm.)	Age in years										Scrod									
	Large									Total	1	2	3	4	5	6	7	8	9+	Total
27																				
8																				
9													1							1
30													1							1
1													--							--
2													--							--
3													3							3
4													4							4
5													4							4
6													--							--
7	1									1			3							3
8	--									--			2							2
9	--									--			2							2
40	--									--			6							6
1	--									--			15							15
2	--									--			9							9
3	--									--			8	1						9
4	1									1			6	--						6
5	--									--			1	1						2
6	1									1			1	1						2
7	--									--			--	3						3
8	--	4								4			--	1	1					2
9	--	3								3			2	2						4
50	2	5	2							9				1						1
1		6	3							9				1						1
2		6	3							9										1
3		2	3	1						6										1
4		4	2	1			1			8										1
5	--	2	2	1	2	--				5										1
6		2	2	1	1	--				6										1
7		2	3	1	--	1				7										1
8			1	--	1	--				2										1
9			3	1	--	2				6										1
60				--	1	--				1										1
1				--	--	--				--										--
2				2	3	1				6										1
3				--	--	--				--										--
4				--	--	--				--										--
5				1	1	--				2										1
6				--	--	--				--										--
7				1	--	--				1										1
8					--	--				--										--
9							1			1										1
70							--			--										--
1							--			--										--
2							--	1	1	2										1
3							--	1		1										1
4							--	--		--										--
5							--	--		--										--
6							--	--		--										--
7							1			1										1
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
Total	5	34	24	10	9	7	2	1	92		68	11	1							80

Table 39. -- Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1938

Length (cm.)	Age in years										Scrod									
	Large									Total	1	2	3	4	5	6	7	8	9+	Total
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				5
9																				8
40		3								3										7
1		4								4										16
2		2								2										19
3		2								2										22
4		1	3							4										19
5		4	--							4										6
6		2	--							2										10
7		2	1							3										11
8		2	5							7										--
9		--	14		1					15										2
50		1	10	1	--					12										2
1			9	2	--					11										
2			13	1	--	1				15										
3			9	4	--	1				14										
4			5	7	3	--				15										
5			2	4	1	--				7										
6			--	4	2	--				6										
7			1	5	1	--	1			8										
8			2	2	--	--	--			4										
9			1	5	2	--	1			9										
60				1	4	1	--			6										
1				2	1	--	--			4										
2					2	--	--	--		2										
3						--	--	1		1										
4						--	--	--		--										
5						3	1	--		4										
6							1	--		1										
7							1	--		1										
8							--	--		--										
9							1	1		2										
70							--	--		--										
1							1			1										
2										--										
3										--										
4									1	1										
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total	27	75	38	17	6	7	3	1	174		129	9								138

Table 40.--Sample age composition of large and scrod haddock landings from Georges Bank for November 1938-

January 1939

Length (cm.)	Large									Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			1
9																			1
30																			--
1																			5
2																			6
3																			5
4																			11
5																			11
6																			9
7																			6
8																			5
9																			5
40																			1
1																			4
2																			3
3																			11
4																			13
5																			6
6																			10
7																			7
8																			5
9																			6
50																			1
1																			11
2																			11
3																			13
4																			6
5																			10
6																			7
7																			5
8																			3
9																			10
60																			1
1																			11
2																			3
3																			9
4																			6
5																			4
6																			2
7																			9
8																			2
9																			9
70																			1
1																			11
2																			3
3																			9
4																			6
5																			3
6																			2
7																			3
8																			3
9																			7
80																			2
1																			1
2																			1
3																			1
4																			--
5																			1
6																			1
7																			1
8																			
9																			
90																			
1																			
2																			
3																			
4																			
5																			
Total																			

Table 41. --Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1939

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27										
8									1	1
9									3	3
30						2			9	11
1						2			9	11
2						3	2	2	18	25
3						5	2	3	29	39
4						14	9	9	52	84
5						9	24	24	79	136
6						34	76	34	108	252
7			1		1	50	118	73	160	401
8			--		--	73	175	149	213	610
9			2	2	4	97	259	213	202	771
40	1	6	3	3	13	127	286	307	192	912
1	3	4	5	1	13	156	341	438	206	1,141
2	3	10	5	4	22	204	409	504	220	1,337
3	2	6	17	13	38	250	485	522	259	1,516
4	--	22	38	25	85	287	437	484	254	1,462
5	9	30	109	40	188	261	448	489	239	1,437
6	17	72	251	100	440	248	494	436	259	1,437
7	43	169	390	144	746	265	408	285	205	1,163
8	81	333	646	244	1,304	179	340	234	133	886
9	124	483	800	283	1,690	117	264	106	90	577
50	207	597	876	337	2,017	83	152	75	61	371
1	212	662	940	405	2,219	38	70	34	21	163
2	245	599	808	337	1,989	16	25	17	14	72
3	280	577	709	306	1,872	12	9	7	3	31
4	262	475	503	271	1,511	5	6	1	3	15
5	252	367	389	231	1,239	2	2	1	--	5
6	272	348	305	199	1,124	--	--	--	1	1
7	240	310	224	176	950	--	3	1		4
8	226	291	148	172	837	1				1
9	200	205	107	117	629					
60	193	196	78	98	565					
1	164	181	79	101	525					
2	164	168	68	88	488					
3	148	162	54	81	445					
4	107	119	32	66	324					
5	115	92	40	52	299					
6	96	78	25	61	260					
7	62	60	15	47	184					
8	62	48	10	27	147					
9	51	40	9	20	120					
70	53	44	5	31	133					
1	34	25	5	22	86					
2	21	21	--	11	53					
3	17	12	3	10	42					
4	10	8	2	2	22					
5	8	4	4	6	22					
6	8	2	4	1	15					
7	3	2	3	3	11					
8	4	2		1	7					
9	--	3		--	3					
80	--	1		1	2					
1	1	--		1	2					
2	1	1		1	3					
3	--				--					
4	1				1					
5										
Number measured	4,002	6,835	7,712	4,141	22,690	2,540	4,844	4,448	3,043	14,875
Est. sample weight	15,850	21,076	22,788	14,465	74,179	4,802	7,903	7,662	5,118	25,485
Actual lbs. landed (thousands)	15,811	18,118	17,376	10,105	61,410	7,524	11,743	17,716	6,142	43,125
Est. number landed (thousands)	3,998	5,876	5,924	2,894	18,692	3,980	7,190	10,313	3,670	25,153

Table 42. --Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1939

Length (cm.)	Age in years										Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
40																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
50																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
60																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
70																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total	1	40	66	35	12	11	4	8	177		20	121	8	3					152	



Table 44.--Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1939

Length (cm.)	Age in years										Scrod									
	Large					Total					Scrod					Total				
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4												1								1
5												--								--
6												1								1
7											1	6								7
8												1								1
9												6								6
40	1								1			6	1							7
1	--								--			7	1							8
2	--								--			5	1							6
3	--		2						2			5	4							9
4	1								1			6	--							6
5	1	1							2			3	2							5
6	1	1							2			1	4							5
7	2	1							3			2	4		1					7
8	4	10							14			1	5							6
9	2	13							15				1							1
50		13	2						15				1							1
1		15	1	1					17											--
2		12	3	1					16											--
3		5	3	--					8											--
4		6	2	--					8											--
5		5	--	1					6											--
6		3	--	--					3											--
7		--	4	3					7						1					1
8		1	1	--					2											
9			1	--					1											
60			--	--					--											
1			3	1					4											
2			1	1					2											
3			--	--			1		1											
4			1	1	--				2											
5				1	1				2											
6					1				1											
7									--											
8							1		1											
9							--		--											
70							--		--											
1							--		--											
2							--		--											
3							--		--											
4							--		--											
5							--	1	--											
5							1		1											
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total	12	88	22	11	2	2	1		138	1	51	24	1	1						78

Table 45. --Sample age composition of large and scrod haddock landings from Georges Bank for November 1939-

January 1940

Length (cm.)	Large									Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27												3							3
8												1							1
9												2							2
30												--							--
1												2							2
2												3	2						5
3												1	--						1
4												5	1						6
5												2	2						4
6												2	1						3
7												1	8						9
8												3	4						7
9												1	6						7
40												4	4						8
1													5	1					6
2													15	--					15
3													10	--					10
4													11	--					11
5			3							3			7	--					7
6			7							7			8	1					9
7			4	1						5			6	4					10
8			4	4	1					9			3	2					5
9			4	5	--					9			2	1					3
50			6	8	1					15				1					1
1			3	7	1	1				12				--					--
2			--	11	3	1				15				--					--
3			1	7	1	--				9				--					--
4			1	7	4	--				12				--					--
5			--	3	7	1				11				--					--
6			--	6	2	3				11				--					--
7			1	2	3	1				7				--					--
8				1	2	1	1			5				--					--
9				--	2	--		1		3			1						1
60				2	3	--	1	--		6									
1				1	2	1	--	--		4									
2				3	2	1	1	--		7									
3					1	1	--	--		2									
4						1	--	1		2									
5						--	1	1		2									
6						--	2	1		3									
7						--	--	1		1									
8						--	--	--		--									
9						--	1			1									
70						--	1			1									
1						--	--	--		--									
2							1	--		1									
3								1		1									
4								1		1									
5										1									
6																			
7																			
8																			
9																			
80																			
1																			
2																			
3																			
4																			
5																			
Total		35	62	31	18	6	9	5	166		30	95	11						136

Table 46. --Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1940

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27								2		2
8								2	3	5
9								4	3	7
30								11	17	28
1								15	48	63
2								30	71	101
3							5	41	159	205
4							8	5	57	267
5				1	1	29	11	74	258	372
6				3	3	39	29	54	275	397
7				5	5	46	54	49	298	447
8		1		4	5	84	87	42	262	475
9	1	1		12	14	117	145	79	213	554
40	--	1	1	16	18	137	221	131	156	645
1	3	5	1	26	35	223	263	200	144	830
2	5	4	4	24	37	255	310	258	160	983
3	8	4	6	33	51	302	321	359	236	1,218
4	24	12	6	36	78	350	318	322	275	1,265
5	45	27	15	28	115	440	367	363	332	1,502
6	131	55	43	57	286	489	380	332	363	1,564
7	232	140	115	91	578	470	407	318	335	1,530
8	439	248	214	170	1,071	468	386	210	262	1,326
9	614	431	295	200	1,540	271	331	177	195	974
50	789	520	365	296	1,970	251	225	116	117	709
1	840	727	485	324	2,376	108	135	57	66	366
2	809	719	475	312	2,315	71	51	25	24	171
3	762	772	425	338	2,297	33	27	20	15	95
4	713	653	423	364	2,153	11	7	5	11	34
5	590	647	358	294	1,889	6	4	1	4	15
6	555	583	313	219	1,670	2	1	1	1	5
7	455	459	246	210	1,370	4	1	--	--	5
8	396	428	190	199	1,213			1	--	1
9	308	348	159	174	989				1	1
60	268	297	132	144	841					
1	221	266	108	127	722					
2	194	204	92	102	592					
3	169	189	61	87	506					
4	125	179	45	88	437					
5	120	127	55	79	381					
6	122	121	33	78	354					
7	89	90	33	52	264					
8	80	82	15	47	224					
9	56	58	19	34	167					
70	40	51	13	28	132					
1	42	40	9	14	105					
2	30	22	10	12	74					
3	18	21	5	9	53					
4	8	21	5	7	41					
5	5	9	4	9	27					
6	5	8	2	7	22					
7	8	8	2	6	24					
8	1	5	1	4	11					
9	4	2	1	2	9					
80		2		3	5					
1		--		1	1					
2		--		1	1					
3		--		1	1					
4		1		1	2					
5										
Number measured	9,324	8,588	4,784	4,379	27,075	4,219	4,086	3,356	4,501	16,162
Est. sample weight	32,067	27,784	16,068	16,057	91,976	8,552	7,434	6,217	7,397	29,600
Actual lbs. landed (thousands)	15,763	22,204	16,490	8,588	63,045	6,614	9,393	9,507	4,086	29,600
Est. number landed (thousands)	4,590	6,899	4,912	2,148	18,549	3,325	5,373	5,093	2,623	16,414

Table 47. --Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1940

Length (cm.)	Age in years										Scrod										
	Large									Total	1	2	3	4	5	6	7	8	9+	Total	
27																					
8																					
9																					
30																					
1																					
2																					
3																					
4																					
5																					
6																					1
7																					3
8																					1
9																					2
40																					3
1																					1
2																					7
3																					6
4																					3
5																					13
6																					8
7																					2
8																					7
9																					6
50																					9
1																					9
2																					9
3																					2
4																					7
5																					1
6																					1
7																					2
8																					9
9																					9
60																					2
1																					11
2																					8
3																					5
4																					6
5																					5
6																					10
7																					10
8																					15
9																					10
70																					12
1																					1
2																					1
3																					1
4																					2
5																					2
6																					1
7																					1
8																					1
9																					1
80																					2
1																					3
2																					3
3																					2
4																					2
5																					2
6																					2
7																					2
8																					2
9																					2
90																					2
1																					2
2																					2
3																					2
4																					2
5																					2
Total		26	73	38	19	10	6	6	178			13	76	34	7	2					132

Table 48. --Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1940

Length (cm.)	Age in years									Scrod										
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5																				1
6																				1
7																				3
8																				--
9																				4
40																				2
1																				7
2																				1
3																				5
4																				6
5																				2
6																				3
7																				2
8																				1
9																				--
50																				2
1																				10
2																				6
3																				12
4																				2
5																				3
6																				5
7																				4
8																				1
9																				3
60																				--
1																				1
2																				--
3																				1
4																				4
5																				1
6																				3
7																				1
8																				--
9																				--
70																				--
1																				--
2																				--
3																				--
4																				--
5																				--
6																				--
7																				--
8																				--
9																				--
80																				--
1																				--
2																				--
3																				--
4																				--
5																				--
8																				1
9																				1
Total		49	68	23	9	4	1	1	155		45	45	4							94

Table 49. -- Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1940

Length (cm.)	Age in years										Scrod								
	Large					Total					Scrod								
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27										1									1
8										1									1
9										2									2
30										8									8
1										--									--
2										3									3
3										1									1
4										1									1
5										--									--
6										2									2
7										1	1								2
8											5								5
9											8								8
40											10								10
1											9	1							10
2											8	1							9
3											11	1							12
4											14	--							14
5											7	4							11
6											10	3							13
7	2	1							3		5	2	2						9
8	2	1		1					4		2	5	3						10
9	4	3	1	--					8		1	3	--						4
50			2	--	--				2			--	--						--
1			5	3	--				8			--	--						--
2			6	3	--				9			1	--						1
3			3	1	--				4				--						--
4			3	2	--				5				1						1
5			4	3	1	1			9										
6			2	4	--	--			6										
7			--	--	2	--			2										
8			2	2	--	--			4										
9			1	3	--	--			4										
60				--	1				1										
1				1	1				2										
2					2				2										
3					1				1										
4					1				1										
5					1				1										
6					--				--										
7					--				--										
8					1				1										
9								1	1										
70								1	1										
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
80																			
1																			
2																			
3																			
4																			
5																			
Total	8	33	22	5	9		1		78	20	91	22	6						139

Table 50. --Sample age composition of large and scrod haddock landings from Georges Bank for November 1940-

January 1941

Length (cm.)	Age in years										Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2 1/2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																			3	
2																			1	
3																			14	
4																			20	
5																			14	
6																			22	
7																			22	
8																			18	
9																			9	
40																			8	
1																			3	
2																			3	
3																			4	
4																			2	
5																			1	
6																				
7																				
8				1					1											
9				1					1											
50				--					--											
1				3					3											
2		1		1					2											
3				1					1											
4				1					1											
5				2	2	1			5											
6				--	1	--			1											
7				--	--	--			--											
8				--	--	1			1											
9				--	--				--											
60				1	1				2											
1					--				--											
2					1				1											
3					1				1											
4																				
5																				
6																				
7																				
8																				
9																				
70																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total		1	11	6	2				20										119	

1/ Other ages for sampled lengths supplied from table of averages

Table 51. --Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1941

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27						7	4	8	11	30
8						5	--	16	17	38
9						15	1	26	28	70
30						14	2	48	67	131
1						45	6	67	70	188
2						96	19	82	89	286
3						141	33	85	114	373
4						212	59	96	144	511
5						328	119	117	113	677
6						381	226	175	148	930
7						424	332	284	146	1,186
8		1			1	397	402	413	158	1,370
9		2	1	1	4	355	470	568	167	1,560
40	1	2	7	--	10	300	458	714	248	1,720
1	1	2	5	--	8	263	470	868	308	1,909
2	2	6	13	--	21	224	378	923	382	1,907
3	2	2	17	3	24	251	324	936	452	1,963
4	6	6	27	4	43	296	226	764	514	1,800
5	26	13	54	20	113	375	242	579	494	1,690
6	47	16	101	37	201	371	250	433	331	1,385
7	86	57	175	56	374	429	316	287	320	1,352
8	228	108	237	80	653	401	287	163	203	1,054
9	364	213	349	106	1,032	291	243	114	122	770
50	529	306	465	154	1,454	193	196	70	70	529
1	627	399	503	199	1,728	146	109	40	38	333
2	642	500	557	217	1,916	70	64	20	29	183
3	735	521	536	230	2,022	28	24	14	11	77
4	660	482	488	251	1,881	17	13	4	6	40
5	587	495	450	204	1,736	2	8	--	2	12
6	590	441	381	186	1,598	1	4	2	--	7
7	506	434	319	200	1,459	2	2	--	--	4
8	429	361	284	174	1,248			1	1	2
9	393	295	222	148	1,058					
60	313	259	209	180	961					
1	237	211	160	157	765					
2	200	190	114	100	604					
3	205	165	84	110	564					
4	147	103	87	104	441					
5	128	102	76	72	378					
6	98	77	70	60	305					
7	80	68	50	55	253					
8	60	51	35	57	203					
9	43	35	20	29	128					
70	53	38	15	30	136					
1	31	33	14	36	114					
2	26	21	11	23	81					
3	16	18	6	17	57					
4	16	15	15	10	56					
5	12	4	7	13	36					
6	8	4	5	3	20					
7	8	7	3	1	19					
8	1	1	2	1	5					
9	--	2	3	3	8					
80	2	1	1	2	6					
1		--	--	1	1					
2		--	1		1					
3		--			--					
4		1			1					
5										
Number measured	8,145	6,069	6,179	3,334	23,727	6,080	5,287	7,917	4,803	24,087
Est. sample weight	33,525	20,234	20,962	13,476	88,197	10,169	7,912	2,707	7,982	38,770
Actual lbs. landed (thousands)	19,674	23,808	15,961	8,519	67,962	11,614	13,578	21,066	7,506	53,764
Est. number landed (thousands)	4,930	7,150	4,726	2,114	18,920	6,879	8,811	12,535	4,117	32,342

Table 52. --Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1941

Length (cm.)	Age in years									Scrod										
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5														1						1
6														--						--
7														1						1
8														1						1
9														7	1					8
40														6	2					8
1														1	3					4
2														--	7					7
3														2	8	1				11
4														--	11	--				11
5		1							1					1	19	2	2			24
6		--							--					13	--	1				14
7		--							--					16	5	2				23
8		--	1						1					7	6	2				15
9		2	6						8					5	2	3				10
50		11	6	1					18					2	5	3				10
1		8	7	5					20					1	2	--	1			4
2		--	8	1					9						3	1				4
3		1	7	1					9					--	--					--
4		4	9	3					16					--	--					--
5		1	5	4					10					1	1					2
6			5	5					12						1					1
7			4	5	1	--			10											
8			3	6	1	--			10											
9			2	8	--	--			10											
60			--	7	2	--			9											
1			--	5	--	2			7											
2			1	3	4	--			8											
3				--	1	1			2											
4				1	--	1			2											
5				3	1	1			5											
6				1	2	--			3											
7				--	--	1			1											
8				--	1	1		1	3											
9				--				1	--	1										
70				--				1	--	1										
1				1				--	--	1										
2						2		--	--	2										
3								--	--	--										
4								--	--	--										
5								--	--	--										
6								--	--	--										
7								1	1											
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total		28	64	60	13	11	2	2	180		20	95	27	16	1					159



Table 54.--Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1941

Length (cm.)	Large									Scrod									Total	
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+		Total
27																				
8																				
9																				
30																				
1																				1
2																				--
3																				--
4																				--
5																				1
6																				--
7																				2
8																				3
9																				3
40																				13
1																				8
2																				9
3																				19
4																				15
5																				15
6																				6
7																				--
8																				2
9																				3
50																				1
1																				9
2																				19
3																				15
4																				15
5																				6
6																				--
7																				2
8																				3
9																				3
60																				1
1																				9
2																				18
3																				12
4																				9
5																				13
6																				15
7																				5
8																				3
9																				11
70																				4
1																				6
2																				3
3																				1
4																				3
5																				1
6																				3
7																				3
8																				--
9																				--
80																				--
1																				--
2																				--
3																				--
4																				--
5																				--
6																				--
7																				--
8																				--
9																				--
90																				--
1																				--
2																				--
3																				--
4																				--
5																				--
Total	11	61	41	25	8	5	1	2	154	2	98	1	1							102

Table 55. --Sample age composition of large and scrod haddock landings from Georges Bank for November 1941-

January 1942

Length (cm.)	Age in years										Scrod									
	Large									Total	Scrod									Total
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30												1							1	
1												2							2	
2												4							4	
3												3							3	
4												4							4	
5												2							2	
6												8	1						9	
7												6	1						7	
8												3	--						3	
9												2	3						5	
40												1	5						6	
1													2						2	
2													12						12	
3													7						7	
4													12						12	
5													13						14	
6													8	--					8	
7		2							2				6	--					6	
8		2							2				4	--					4	
9		3	1						4				4	--					4	
50		2	5						7										4	
1		1	7	3					11				3	1					4	
2		1	8	1					10											
3			12	2	1				15											
4			3	6	1				10											
5			2	4	--				6											
6			--	3	2				5											
7			2	8	2				12											
8			1	10	4				15											
9				7	4				11											
60				1	7	2			10											
1				1	3	1			5											
2				--	5	--		1	6											
3				--	5	3		--	8											
4				--	1	--		--	1											
5				1	2	2	1	--	6											
6					1	--	--	--	1											
7					2	1	1	1	5											
8					1	3	--	1	5											
9						--		1	1											
70							1	1	2											
1							--	3	3											
2							1		1											
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total		11	41	47	41	14	7	3	164		36	81	2						119	

Table 56.--Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1942

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27							1		1	2
8						1	1		3	5
9						1	2	4	1	8
30						4	4	4	7	19
1						10	14	8	10	42
2						13	47	11	19	90
3						22	75	40	35	172
4						33	122	82	34	271
5				1	1	52	197	148	47	444
6			1	--	1	64	269	253	63	649
7			--	--	--	95	306	336	105	842
8			1	--	1	110	321	402	162	995
9		1	1	--	2	117	371	520	247	1,255
40	1	2	7	1	11	146	365	578	356	1,445
1	2	4	2	7	15	207	327	584	425	1,543
2	1	5	3	5	14	277	361	541	405	1,584
3	6	7	7	7	27	362	441	534	453	1,790
4	19	13	15	13	60	450	487	468	426	1,831
5	25	27	43	14	109	486	539	389	301	1,715
6	48	69	87	65	269	538	630	390	252	1,810
7	112	163	238	117	630	459	667	339	189	1,654
8	225	333	266	181	1,165	392	609	265	170	1,436
9	326	496	562	285	1,669	270	429	163	100	962
50	405	716	709	346	2,176	187	288	101	65	641
1	457	678	736	371	2,242	104	146	49	30	329
2	500	724	649	376	2,249	65	79	12	16	172
3	485	678	573	359	2,095	36	33	15	8	92
4	470	587	430	331	1,818	11	16	7	1	35
5	430	564	310	269	1,573	--	12	2	--	14
6	401	485	276	238	1,400	2	2	1	2	7
7	390	460	207	208	1,265	--	1	1		2
8	349	411	180	160	1,100	1				1
9	279	325	123	169	896	--				--
60	269	295	115	139	818	1				1
1	243	248	94	130	715					
2	178	188	75	97	538					
3	170	210	56	84	520					
4	148	160	56	70	434					
5	93	135	44	61	333					
6	74	103	32	50	259					
7	71	83	30	43	227					
8	70	70	25	27	192					
9	30	38	30	28	126					
70	24	44	9	22	99					
1	21	33	13	17	84					
2	21	30	5	10	66					
3	15	16	6	12	49					
4	5	12	4	11	32					
5	8	17	3	8	36					
6	3	6	2	5	16					
7	2	7	--	5	14					
8	3	5	--	--	8					
9	--	3	1	1	5					
80	--	--		1	1					
1	--	1		--	1					
2	1	--		--	1					
3		--		1	1					
4		1			1					
5										
Number measured	6,380	8,453	6,186	4,345	25,364	4,516	7,162	6,247	3,933	21,858
Est. sample weight	23,047	26,841	19,356	15,586	84,830	8,825	11,338	10,327	6,722	37,212
Actual lbs. landed (thousands)	16,870	20,300	12,916	7,525	57,611	11,484	17,026	13,757	7,213	49,480
Est. number landed (thousands)	4,630	6,353	4,138	2,128	17,249	5,708	10,077	8,088	4,140	28,013



Table 58. --Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1942

Length (cm.)	Age in years										Age in years									
	Large					Scrod					Large					Scrod				
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27			NO AGES AVAILABLE																	
8			Used table of average ages																	
9																				
30																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
40																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
50																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
60																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
70																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total																				

Table 59. -- Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1942

Length (cm.)	Age in years										Scrod								
	Large										Scrod								
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
30																			
1																			
2																			
3																			
4											1								1
5												2							2
6												3							3
7												8							8
8												5							5
9												15							15
40												16	1						17
1	1								1			19	2						21
2	--								--			21	2						23
3	--								--			16	--						16
4	1	1							2			15	1	1					17
5	1	--	1						2			9	3	--					12
6	1	2	--						3			4	5	--					9
7	2	8	--						10			5	5	--					10
8	2	11	--	1					14			1	8	--					9
9	1	13	2	--					16			3	2	1					6
50	1	16	4	--					21				2	1					3
1	1	13	2	1	1				18				1						1
2		17	6	1	--				24										
3		14	3	--	1				18										
4		6	4	1	1				12										
5		2	2	--	1				5										
6		1	3	1	--				5										
7		2	2	--	2				6										
8		2	2	2	2				8										
9			1	--	--				1										
60			1	1	--				2										
1				2	--	1			3										
2				--	1	--			1										
3				--	1	1			2										
4				1	1	--			2										
5				--	--	--			--										
6					--	1			1										
7						1	--		1										
8						--	--		--										
9							1		1										
70																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
80																			
1																			
2																			
3																			
4																			
5																			
Total	11	108	33	11	12	4			179	1	142	32	3						178

Table 60. --Sample age composition of large and scrod haddock landings from Georges Bank for November 1942-

January 1943

Length (cm.)	Age in years																				
	Large										Scrod										
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total		
27	NO AGES AVAILABLE																				
8	Used table of average ages																				
9											1									1	
30											--									--	
1											--									--	
2											1									1	
3											2									2	
4											3									3	
5											1									1	
6											2	2								4	
7											2	1								3	
8											--	2								2	
9											1	6								7	
40												6								6	
1												8								8	
2												4								4	
3												6								6	
4												2								2	
5												4								4	
6												2								2	
7												3								3	
8												1								1	
9																					
50																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
60																					
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9																					
70																					
1																					
2																					
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6																					
7																					
8																					
9																					
80																					
1																					
2																					
3																					
4																					
5																					
Total											13	47								60	

Table 61.--Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1943

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27						2				2
8						2				2
9						4	1			5
30						11	5			16
1						24	6	2		32
2						34	16	1		51
3						44	37	2		83
4						57	54	11	2	124
5						64	84	32	4	184
6						123	112	50	5	290
7				1	1	160	151	80	13	404
8		1	1	--	2	265	163	132	21	581
9	1	2	1	--	4	338	220	147	33	738
40	3	3	2	2	10	480	268	168	44	960
1	8	1	6	5	20	529	326	204	46	1,105
2	5	4	6	4	19	557	424	235	46	1,262
3	10	5	9	6	30	517	425	254	58	1,254
4	24	9	24	8	65	571	422	317	56	1,366
5	21	12	36	29	98	481	434	323	61	1,299
6	64	22	70	38	194	455	399	313	75	1,272
7	109	66	182	87	444	377	386	329	73	1,165
8	224	148	333	129	834	294	294	271	53	912
9	309	217	461	170	1,157	202	236	162	26	626
50	473	316	596	200	1,585	136	144	92	15	387
1	590	403	628	202	1,823	100	111	49	7	267
2	548	449	590	197	1,784	68	44	20	2	134
3	591	423	612	197	1,823	46	16	9	--	71
4	554	412	523	150	1,639	34	8	2	2	46
5	509	388	413	144	1,454	23	2	--	1	26
6	386	340	390	116	1,232	19	5	1	--	25
7	403	287	335	106	1,131	16	2	1	1	20
8	311	219	260	68	858	9	--			9
9	251	205	167	77	700	12	--			12
60	229	149	157	80	615	6	1			7
1	191	139	132	54	516	6				6
2	150	101	86	48	385	5				5
3	124	119	75	38	356	3				3
4	135	88	71	29	323	--				--
5	99	68	65	21	253	3				3
6	86	58	39	19	202	1				1
7	74	52	45	23	194	1				1
8	50	35	29	9	123	--				--
9	26	25	18	15	84	--				--
70	27	19	11	10	67	--				--
1	23	15	8	3	49	2				2
2	8	14	12	7	41	1				1
3	10	7	5	4	26					
4	2	4	4	2	12					
5	5	7	7	2	21					
6	4	--	4	1	9					
7	3	--	1	--	4					
8	3	1	1	1	6					
9	--	1	3	--	4					
80	1		1	1	3					
1			--	--	--					
2			--	--	--					
3			--	1	1					
4			--	--	--					
5			1		1					
Number measured	6,644	4,834	6,420	2,304	20,202	6,082	4,796	3,237	644	14,759
Est. sample weight	23,201	15,720	21,009	7,899	67,829	11,745	7,682	6,054	1,211	26,692
Actual lbs. landed (thousands)	14,202	17,779	15,385	4,711	52,077	11,618	13,907	10,032	1,950	37,507
Est. number landed (thousands)	4,064	5,665	4,653	1,698	16,080	6,040	8,771	5,460	1,078	21,349

Table 62. --Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1943

Length (cm.)	Age in years										Scrod								
	Large					Scrod					Scrod								
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
30																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
40																			
1																			
2																			
3																			
4																			
5																			
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50																			
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9																			
60																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
70																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
80																			
1																			
2																			
3																			
4																			
5																			
Total		52	69	24	20	4	5	2	176		9	93	33	9	11	2			157

Table 63.--Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1943

Length (cm.)	Large									Scrod										
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
40																				
1																				
2																				
3																				
4																				
5																				
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50																				
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60																				
1																				
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7																				
8																				
9																				
70																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
Total		6	32	30	27	16	5	3	119		3	104	27	1	3					138

Table 64. --Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1943

Length (cm.)	Age in years										Scrod								
	Large					Total					Scrod								
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
30																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
40																			
1																			
2																			
3																			
4																			
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60																			
1																			
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8																			
9																			
70																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
80																			
1																			
2																			
3																			
4																			
5																			
Total	5	73	46	19	11	2			156		86	47	4						137

Table 65. --Sample age composition of large and scrod haddock landings from Georges Bank for November 1943-

January 1944

Length (cm.)	Large									Scrod										
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4												1								1
5																				--
6																				--
7													1							1
8													1							1
9													3							3
40													7							7
1													3	1						4
2													3	--						3
3													6	2						8
4													6	6						12
5													2	5						7
6													2	7						9
7		1	3						4				2	5						7
8		1	3						4					13						13
9		--	1						1					1						1
50		1	7						8					1						1
1			5	1					6						1					1
2			4	--				1	5											
3			4	--				1	--											5
4			6	2				--	--											8
5			--	3				--	--											3
6			3	2				1	--											6
7			1	5				1	--											7
8				3				--	--											3
9				4	1			--	--											5
60				3	--			--	--											3
1				1	--			1	--											2
2				2	2			1	--											5
3					2			--	--											2
4								--	1											1
5								--	--											--
6								1												1
7																				
8																				
9																				
70																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total		3	37	26	5	6	2		79			1	36	41	1					79

Table 66.--Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock

landed from Georges Bank (ICNAF, 5Z) for 1944

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27										
8										
9										
30										
1						1	1	1		3
2						2	--	4		6
3						1	1	11		14
4	1				1	4	1	14	--	19
5	--				--	7	2	30	3	42
6	--				--	10	14	26	2	52
7	--	1		1	2	25	18	41	8	92
8	2	--	1	1	4	33	42	58	9	142
9	1	1	--	--	2	65	64	75	7	211
40	7	5	3	2	17	76	79	100	6	261
1	7	15	6	7	35	92	115	144	13	364
2	14	19	9	5	47	118	152	178	11	459
3	22	22	26	8	78	134	182	251	13	580
4	30	44	48	7	129	142	165	241	21	569
5	51	84	95	23	253	157	184	220	30	591
6	85	142	190	25	442	135	168	233	36	572
7	146	210	257	29	642	154	158	144	14	470
8	290	314	360	47	1,011	116	93	89	15	313
9	313	305	367	34	1,019	87	52	54	8	201
50	456	404	431	76	1,367	63	26	37	3	129
1	463	426	437	117	1,443	24	10	7		41
2	528	411	445	115	1,499	12	3	14		29
3	521	385	403	108	1,417	5	1	6		12
4	447	342	361	129	1,279	5	1	3		9
5	397	319	332	113	1,161	1		1		2
6	365	294	281	127	1,067	--		1		1
7	304	255	259	124	942	2		1		3
8	287	210	212	110	819					
9	227	170	159	124	680					
60	203	170	137	92	602					
1	173	115	105	89	483					
2	149	111	82	76	418					
3	127	89	68	49	333					
4	86	65	39	42	232					
5	98	57	43	53	251					
6	87	54	26	31	198					
7	63	42	20	20	153					
8	39	23	14	30	106					
9	38	22	15	19	94					
70	33	24	11	15	83					
1	25	8	7	11	51					
2	19	6	4	10	39					
3	8	5	4	5	22					
4	13	4	2	5	24					
5	9	3	2	2	16					
6	2	2	--	--	4					
7	3	2	--	--	5					
8	3	1	1	--	5					
9		1		1	2					
80										
1										
2										
3										
4										
5										
Number measured	6,142	5,183	5,262	1,890	18,477	1,471	1,532	1,984	200	5,187
Est. sample weight	21,383	15,367	16,620	7,482	60,852	2,835	2,488	3,578	389	9,290
Actual lbs. landed (thousands)	16,310	27,942	24,648	11,844	80,744	3,978	5,485	4,822	963	15,248
Est. number landed (thousands)	4,708	9,218	7,629	2,987	24,542	2,065	3,393	2,679	470	8,607

Table 67. --Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1944

Length (cm.)	Age in years									Scrod									Total	
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+		Total
27																				
8																				
9																				
30																				
1																				1
2																				--
3																				--
4																				--
5																				--
6																				--
7																				2
8																				1
9																				5
40																				7
1																				13
2																				14
3																				17
4																				13
5																				21
6																				17
7																				17
8																				12
9																				4
50																				4
1																				4
2																				1
3																				1
4																				1
5																				--
6																				--
7																				--
8																				--
9																				--
60																				--
1																				--
2																				--
3																				--
4																				1
5																				--
6																				6
7																				1
8																				1
9																				2
70																				1
1																				--
2																				2
3																				--
4																				--
5																				--
6																				--
7																				--
8																				--
9																				--
80																				--
1																				--
2																				--
3																				--
4																				--
5																				--
Total		9	77	35	22	6	8		157			62	89	4		2				157

Table 68. --Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1944

Length (cm.)	Age in years									Scrod									
	Large									Scrod									
	1	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
30																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
40																			
1	2								2										
2		1							1										
3		--							--										
4		--							--										
5		1							1										
6		--							--										
7		2	1						3										
8		1	2						3										
9		3	2						5										
50		1	--						1										
1		1	3	1					5										
2		--	3	--					3										
3		--	3	3	1				7										
4		1	3	1	--				5										
5			--	2	--				2										
6			5	2	--				7										
7			2	3	--				5										
8			1	3	--				4										
9				1	2				3										
60				2	2				4										
1				2	1				3										
2				3	1				4										
3				--	1				1										
4				--	--				--										
5				--	--				--										
6				--	--				--										
7				1	--	1			2										
8					--	--			--										
9					--	--		1	1										
70					2			1	3										
1								--	--										
2								--	--										
3								--	--										
4								--	--										
5								1	--										
6								1	1										
7																			
8																			
9																			
80																			
1																			
2																			
3																			
4																			
5																			
Total	2	11	25	24	10	1	3	2	78										

Table 69. --Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1944

Length (cm.)	Age in years									Scrod									Total	
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+		Total
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9												1	2							3
40												1	3							4
1												1	1							2
2												1	2							3
3												1	3	2						6
4	1	1							2		--	8	7							15
5	--	--							--		2	8	12							22
6	--	1							1		--	13	8	2						23
7	1	3	1						5		1	11	6	1						19
8	--	3	--						3			10	6	2						18
9	--	5	3						8			5	2	3	1					11
50	1	6	5	1					13			4	3	--						7
1		5	7	2					14			2		1						3
2		7	7	1					15			1		--						1
3		3	9	--					12					--						--
4		2	7	--					9					--						--
5		2	10	1					13					--						--
6		2	14	--	2				18					--						--
7		2	6	2	--				10					--						--
8		1	6	1	--				8					1						1
9		1	5	3	1				10											
60			3	1	--				4											
1			3	2	1				6											
2			1	2	--	1			4											
3				4	2	--			6											
4				2	1	1			4											
5				1	--	1			2											
6				--	1	--			1											
7				--	--	--			--											
8				2	--	--	1		3											
9				--	--	--	--		--											
70				--	--	--	--		--											
1					1	--	--		1											
2					--	--	--		--											
3					--	--	--		--											
4					--	--	--	1	--											
5					--	--	--		--											
6					--	--	--		--											
7					--	--	--		--											
8					--	--	--		--											
9					--	--	--		--											
80					--	--	--		--											
1					--	--	--		--											
2					--	--	--		--											
3					--	--	--		--											
4					--	--	--		--											
5					--	--	--		--											
Total	3	44	87	25	9	4	2		174		8	73	46	10	1					138

Table 70. --Sample age composition of large and scrod haddock landings from Georges Bank for November 1944-

January 1945

Length (cm.)	Age in years																				
	Large										Scrod										
	2	3	4	5	6	7	8	9+	Total		1	2	3	4	5	6	7	8	9+	Total	
27																					
8																					
9																					
30																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
40																					
1									1												1
2									--												1
3									--												3
4									--												5
5									--												4
6									--												7
7									--												8
8									--												2
9									--												--
50									--												--
1									3												1
2									12												1
3									10												3
4									5												6
5									12												7
6									14												8
7									14												2
8									8												--
9									10												--
60									12												--
1									8												1
2									6												3
3									18												6
4									6												3
5									3												1
6									1												1
7									6												3
8									3												2
9									2												3
70									3												1
1									1												3
2									3												--
3									--												--
4									1												--
5									--												--
6									--												--
7									--												--
8									--												--
9									--												--
80									--												--
1									--												--
2									--												--
3									1												1
4									--												--
5									--												--
Total			1	30	75	34	24	6	6	176			4	19	15	2					40

Table 71. --Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1945

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27										
8										
9				1	1			1		1
30				--	--			--		--
1				1	1			--		--
2				--	--			2	1	3
3				--	--			--	1	2
4				3	3			1		8
5				4	4			6	1	8
6				5	8			12	3	20
7		2	1	5	8			33	17	55
8		--	1	15	16			53	23	88
9		2	4	12	18	2		86	53	156
40	1	3	7	13	24	3		90	96	218
1	2	5	17	16	40	8		114	83	265
2	--	5	18	29	52	7		108	150	329
3	4	9	34	42	99	26		53	121	276
4	5	16	38	60	109	22		61	114	309
5	14	15	72	93	194	39		36	104	291
6	16	33	67	94	210	40		19	64	212
7	28	41	95	128	292	36		32	56	180
8	40	49	104	151	344	36		22	19	115
9	64	67	83	170	384	14		7	17	49
50	70	97	124	139	430	8		13	10	37
1	86	95	140	119	440	5		1	4	15
2	87	108	159	82	436	--		1	2	3
3	112	106	177	109	504	3		1	4	8
4	126	133	197	105	561	--		--	3	3
5	95	97	185	140	517	--		--	2	2
6	108	130	201	112	551	--		--	--	1
7	132	130	184	161	607	1		--	--	1
8	92	129	190	155	566	--		--	1	1
9	87	92	181	156	516					
60	77	92	148	166	483					
1	75	74	139	149	437					
2	76	66	123	152	417					
3	56	50	76	109	291					
4	31	36	80	107	254					
5	48	30	64	105	247					
6	24	23	50	73	170					
7	16	16	35	64	131					
8	29	10	32	57	128					
9	11	10	33	49	103					
70	7	15	24	29	75					
1	8	1	18	24	51					
2	9	3	12	17	41					
3	1	3	14	14	32					
4	2	1	9	6	18					
5	1	2	5	10	18					
6	4	--	7	5	16					
7		1	--	8	9					
8			--	2	2					
9			1	3	4					
80			--	--	--					
1			--	2	2					
2			--							
3			--							
4			--							
5			1		1					
Number measured	1,644	1,797	3,150	3,266	9,857	250	749	950	699	2,648
Est. sample weight	5,935	5,666	11,265	12,369	35,235	491	981	1,555	1,208	4,235
Actual lbs. landed (thousands)	14,643	20,319	19,260	12,375	66,597	1,040	2,983	5,441	2,210	11,674
Est. number landed (thousands)	3,981	6,436	5,428	3,287	19,132	536	2,301	3,310	1,273	7,420



Table 73.--Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1945

Length (cm.)	Age in years										Scrod						Total				
	Large										1	2	3	4	5	6		7	8	9+	
27																					
8																					
9																					
30																					
1																					
2																					
3																					
4																					
5													3								3
6													3								3
7													5								5
8	1												4								4
9	2												5								5
40	2												11								11
1	2												3								3
2	1												2								2
3	1												1								1
4	--												2								2
5	2															1					1
6	1		1													1					1
7		1													2						2
8		2		4																	6
9		1		2	1																4
50	--		4	--																	4
1	--		2	1																	3
2	2		1	1																	4
3	--		6	--		2															8
4		1	6	2	--																9
5			4	4	--																8
6			4	4	--																8
7			2	3	--																5
8			2	2	1	1															6
9			1	3	--	--															4
60			--	3	5	--															8
1			1	1	--	--															2
2				--	--	--															--
3				2	1	1															4
4					1	1															2
5					--	1															1
6					--	--															--
7					--	--				1											1
8					--	--															--
9						1															1
70																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
80																					
1																					
2																					
3																					
4																					
5																					
Total	12	8	39	27	11	4			1	102			39		4						43

Table 74. --Sample age composition of large and scrod haddock landings from Georges for August-October 1945

Length (cm.)	Age in years									Scrod									Total	
	Large									Scrod										
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5																				
6																				2
7											1									1
8																				13
9																				8
40																				8
1																				14
2																				14
3																				18
4																				15
5																				8
6																				3
7																				2
8																				3
9																				3
50																				1
1																				7
2																				12
3																				16
4																				14
5																				8
6																				11
7																				10
8																				11
9																				8
60																				11
1																				9
2																				2
3																				6
4																				4
5																				4
6																				3
7																				--
8																				2
9																				2
70																				2
1																				1
2																				1
3																				--
4																				1
5																				1
6																				1
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total	18	19	59	48	21	8	2	1	176	1	111	4								116

Table 75. --Sample age composition of large and scrod haddock landings from Georges Bank for November 1945-

January 1946

Length (cm.)	Age in years										Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																			5	
9																			2	
40																			3	
1																			7	
2																			6	
3																			8	
4																			9	
5																			10	
6																			6	
7																			10	
8																			5	
9																			3	
50																			2	
1																			1	
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
60																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
70																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
Total		63	6	38	56	19	7	7	196		4	66	6	1					77	

Table 76.--Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1946

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27							3			3
8						1	4			5
9						4	2	2		8
30						6	6	1	2	15
1	1				1	5	7	3	1	16
2	1				1	13	11	1	2	27
3	--				--	12	36	6	6	60
4	--				--	14	58	10	16	98
5	--	2	1		3	14	70	35	27	146
6	--	1	--		1	15	83	52	42	192
7	2	7	2		11	16	115	94	58	283
8	6	8	2		16	19	154	130	83	386
9	3	7	5		15	33	178	176	131	518
40	5	17	9	5	36	48	160	254	140	602
1	16	19	9	11	55	61	146	313	172	692
2	23	28	18	7	76	72	178	292	265	807
3	45	33	22	18	118	118	204	326	252	900
4	75	73	39	24	211	76	238	336	268	918
5	111	122	78	34	345	84	265	321	198	868
6	137	196	141	47	521	63	258	309	152	782
7	187	293	217	75	772	50	195	231	140	616
8	155	367	330	125	977	12	111	161	114	398
9	177	398	481	142	1,198	10	70	104	68	252
50	162	366	615	165	1,308	4	30	50	47	131
1	149	383	547	186	1,265		9	30	19	58
2	146	366	536	198	1,246		6	6	11	23
3	151	365	455	187	1,158		1	6	8	15
4	152	300	403	183	1,038		--	--	5	5
5	157	298	338	182	975		1	1		2
6	126	296	308	182	912		--		3	3
7	117	316	240	159	832		--		1	1
8	112	298	266	168	844		--		1	1
9	103	278	196	155	732		--		1	1
60	71	260	255	170	756		--		--	--
1	85	198	222	147	652		1		--	1
2	76	198	206	121	601				1	1
3	66	138	135	147	486					
4	40	101	136	121	398					
5	24	100	122	98	344					
6	37	78	74	56	245					
7	24	59	69	64	216					
8	21	57	54	54	186					
9	10	38	47	35	130					
70	5	29	28	42	104					
1	5	15	14	25	59					
2	4	18	11	16	49					
3	5	5	11	11	32					
4	6	8	9	13	36					
5	--	1	5	4	10					
6	2	2	1	5	10					
7			--	3	3					
8		3	--	1	4					
9		2	2	3	7					
80			--		--					
1			--		--					
2			1		1					
3										
4										
5										
Number measured	2,800	6,147	6,660	3,389	18,996	750	2,600	3,250	2,234	8,834
Est. sample weight	9,033	18,848	22,640	13,489	64,010	1,240	3,840	5,736	3,969	14,785
Actual lbs. landed (thousands)	13,049	27,825	28,603	13,289	82,766	1,009	7,215	9,147	3,749	21,120
Est. number landed (thousands)	3,595	9,043	8,399	3,475	24,512	606	4,978	5,169	2,108	12,861

Table 77. --Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1946

Length (cm.)	Age in years										Scrod									
	Large					Total					1	2	3	4	5	6	7	8	9+	Total
27																				
8																				
9																				
30																				
1																				3
2																				2
3																				--
4																				5
5																				2
6																				4
7																				4
8																				5
9																				6
40																				8
1																				7
2																				6
3																				6
4																				6
5																				6
6																				6
7																				6
8																				6
9																				6
50																				6
1																				6
2																				6
3																				6
4																				6
5																				6
6																				6
7																				6
8																				6
9																				6
60																				6
1																				6
2																				6
3																				6
4																				6
5																				6
6																				6
7																				6
8																				6
9																				6
70																				6
1																				6
2																				6
3																				6
4																				6
5																				6
6																				6
7																				6
8																				6
9																				6
80																				6
1																				6
2																				6
3																				6
4																				6
5																				6
6																				6
7																				6
8																				6
9																				6
90																				6
1																				6
2																				6
3																				6
4																				6
5																				6
6																				6
7																				6
8																				6
9																				6
Total		45	18	58	38	7	7		173		15	137	9	7	1	1			170	



Table 79.--Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1946

Length (cm.)	Age in years										Total										
	Large					Scrod															
	1	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																					
28																					
29																					
30																					
1																					
2																					
3																					
4																					
5											1										1
6												4									4
7												7									7
8												6									6
9												6									6
40												8									8
1												8									8
2												17	1								18
3												6	2								8
4												3	2								5
5			1							1		4	4								8
6	1	1								2		1	3		1						5
7	1	3								4		--	3		1						4
8		9								9		2	3		--						5
9		18								18			2		--						2
50		19	2	1						22			--	1	--						1
1		21	4	1						26			--	1	1						2
2		14	--	2						16			--								--
3		4	2	1						7			--								--
4		5	3	1						9			1								1
5		4	6	3	1					14											
6		3	1	3	--					7											
7		1	1	6	--	1				9											
8		2	--	9	--	--	1			11											
9			2	5	2	--				9											
60			--	4	1	1				6											
1			--	--	--	1				1											
2			--	1	4	1				6											
3			--		4	1				5											
4			1		1	2				4											
5					1	1				2											
6					2	--				2											
7					--	1				1											
8					1	2				3											
9						1				1											
70						--				--											
1							1			1											
2							--			--											
3							--			--											
4							1			1											
5																					
6																					
7																					
8																					
9																					
80																					
1																					
2																					
3																					
4																					
5																					
Total	2	106	21	37	17	14				197	1	72	21	2	3						99

Table 80. --Sample age composition of large and scrod haddock landings from Georges Bank for November 1946-

January 1947

Length (cm.)	Large									Scrod										
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5																				1
6																				--
7																				2
8																				--
9																				7
40																				
1																				11
2																				21
3																				18
4																				16
5																				7
6																				10
7																				5
8																				7
9																				3
50																				4
1																				4
2																				7
3																				3
4																				4
5																				1
6																				1
7																				2
8																				1
9																				--
60																				2
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
70																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total		6	54	30	42	19	5	1	157		3	98	31	5		2				139

Table 81. --Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock

landed from Georges Bank (ICNAF, 5Z) for 1947

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27										
8										
9										
30										
1								1		1
2								--	3	3
3							2	2	10	14
4						7	4	12	20	43
5						8	25	37	50	120
6						11	55	89	82	237
7	1				1	36	119	179	151	485
8	1				1	62	151	333	260	806
9	--		4		4	89	162	407	320	978
40	1		1		2	131	176	464	373	1,144
1	2	1	10		13	185	194	484	396	1,259
2	1	1	13	3	18	226	184	447	425	1,282
3	9	3	14	9	35	251	167	370	311	1,099
4	8	12	31	26	77	257	165	289	249	960
5	29	19	61	34	143	220	154	199	176	749
6	34	28	119	59	240	191	137	153	124	605
7	56	52	213	82	403	157	121	114	94	486
8	111	82	313	126	632	152	96	87	60	395
9	148	93	412	138	791	96	54	58	48	256
50	180	115	513	175	983	67	35	25	27	154
1	222	167	528	223	1,140	38	22	11	11	82
2	231	158	596	227	1,212	23	8	7	9	47
3	266	167	524	243	1,200	10	3	3	1	17
4	260	186	594	279	1,319	8	2	3	4	17
5	249	165	529	250	1,193	2	1	1	--	4
6	252	197	472	276	1,197	--		1	--	1
7	209	158	463	237	1,067	1			1	2
8	198	156	350	240	944	2				2
9	161	153	276	218	808					
60	145	108	248	186	687					
1	141	112	267	211	731					
2	144	110	206	177	637					
3	130	104	182	133	549					
4	112	117	177	159	565					
5	83	86	142	110	421					
6	67	73	146	131	417					
7	58	55	101	108	322					
8	38	56	89	115	298					
9	30	31	64	74	199					
70	20	31	48	51	150					
1	19	23	58	48	148					
2	17	16	46	37	116					
3	11	13	18	25	67					
4	3	7	9	22	41					
5	2	5	9	8	24					
6	1	2	5	9	17					
7	1	6	3	6	16					
8		--	3	4	7					
9		1	--	5	6					
80		1	1	2	4					
1			1	1	2					
2			1	--	1					
3			1	1	2					
4										
5										
Number measured	3,651	2,870	7,861	4,468	18,850	2,230	2,037	3,776	3,205	11,248
Est. sample weight	13,699	10,162	28,253	18,691	70,805	4,186	3,026	5,981	5,071	18,264
Actual lbs. landed (thousands)	19,693	19,190	17,668	7,809	64,360	5,637	8,337	20,873	6,058	40,905
Est. number landed (thousands)	5,287	5,279	4,878	1,862	17,306	3,004	5,628	13,213	2,644	24,489

Table 82. --Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1947

Length (cm.)	Age in years									Scrod									
	Large									Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
30																			
1																			
2																			
3																			
4																			
5																			
6																			
7												1	2						3
8											2	1							3
9											1	4	2						7
40												7	2						9
1											1	14	3						18
2												10	2						12
3												17	5						22
4												15	4						19
5				1					1			17	2	2					21
6			--	--					--			12	6	--					18
7			--	--					--			17	6	1					24
8			1						1			11	4						15
9		2	4	1					7			6	7						13
50		--	5	--					5			3	5						8
1		2	4	1					7			2	--		1				3
2			3	--	1				4			--							--
3			6	--	--				6				2						2
4			2	1	--				3										
5			4	--	1				5										
6			4	4	1				9										
7			3	2	3				8										
8			--	3	1				4										
9			1	--	6	2	1		10										
60			1	1	1	1	--		4										
1				1	3	3	2	1	10										
2				1	1	3	1	1	7										
3					5	3	2	--	10										
4					4	2	--	1	7										
5					2	4	1	1	8										
6					--	3	1	1	5										
7					2	3	4	4	13										
8					--	2	1	--	3										
9					1	2	2	1	6										
70						2	1	1	4										
1						--	1	2	3										
2						1	--	--	1										
3							--	--	--										
4							1	1	2										
5								1	1										
6							1	--	1										
7							--	--	--										
8							--	--	--										
9								1	1										
80																			
1																			
2																			
3																			
4																			
5																			
Total		4	39	15	32	31	20	15	156		5	138	50	3	1				197

Table 83. --Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1947

Length (cm.)	Age in years										Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5																			1	
6																			4	
7																			8	
8																			27	
9																			35	
40																			37	
1																			38	
2																			4	
3																			7	
4																			26	
5																			15	
6																			26	
7																			20	
8																			1	
9																			6	
40																			35	
1																			37	
2																			38	
3																			4	
4																			7	
5																			26	
6																			15	
7																			20	
8																			1	
9																			6	
50																			35	
1																			37	
2																			38	
3																			4	
4																			7	
5																			26	
6																			15	
7																			20	
8																			1	
9																			6	
50																			35	
1																			37	
2																			38	
3																			4	
4																			7	
5																			26	
6																			15	
7																			20	
8																			1	
9																			6	
50																			35	
1																			37	
2																			38	
3																			4	
4																			7	
5																			26	
6																			15	
7																			20	
8																			1	
9																			6	
50																			35	
1																			37	
2																			38	
3																			4	
4																			7	
5																			26	
6																			15	
7																			20	
8																			1	
9																			6	
50																			35	
1																			37	
2																			38	
3																			4	
4																			7	
5																			26	
6																			15	
7																			20	
8																			1	
9																			6	
50																			35	
1																			37	
2																			38	
3																			4	
4																			7	
5																			26	
6																			15	
7																			20	
8																			1	
9																			6	
50																			35	
1																			37	
2																			38	
3																			4	
4																			7	
5																			26	
6																			15	
7																			20	
8																			1	
9																			6	
50																			35	
1																			37	
2																			38	
3																			4	
4																			7	
5																			26	
6																			15	
7																			20	
8																			1	
9																			6	
50																			35	
1																			37	
2																			38	
3																			4	
4																			7	
5																			26	
6																			15	
7																			20	
8																			1	
9																			6	
50																			35	
1																			37	
2																			38	
3																			4	
4																			7	
5																			26	
6																			15	
7																			20	
8																			1	
9																			6	
50																			35	
1																			37	
2																				

Table 84. -- Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1947

Length (cm.)	Age in years										Scrod								
	Large										Scrod								
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
20																			
1																			
2																			1
3																			--
4																			--
5																			2
6																			4
7																			16
8																			28
9																			30
40																			22
1																			41
2																			30
3																			14
4																			10
5																			4
6																			5
7	1	1							2										8
8		8							8										4
9		6							6										1
50		7	1						8										--
1		14	5						19										3
2		11	3						14										--
3		6	6						12										1
4		8	9						17										
5		4	16	4	1				25										
6		3	14	--	--				17										
7		2	15	1	2				20										
8		1	8	4	5	1			19										
9		1	8	5	2	--			16										
60			8	3	4	1			16										
1			2	3	1	2			8										
2			1	6	6	2			15										
3			2	--	8	1			11										
4			1	2	3	1			7										
5				1	8	3	3		15										
6					7	7	1		15										
7					4	3	1	1	9										
8					4	3	1	--	8										
9					1	2	--	2	5										
70					1	1	2	2	6										
1					1	2	2	--	5										
2						1	1	1	3										
3						1	1	1	3										
4						2	3	--	5										
5							1	1	2										
6								--	--										
7								1	1										
8								1	1										
9								--	--										
80								2	2										
1																			
2																			
3																			
4																			
5																			
Total	1	72	99	29	58	33	16	12	320		208	43	3						254

Table 85.--Sample age composition of large and scrod haddock landings from Georges Bank for November 1947-

January 1948

Length (cm.)	Age in years									Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
30																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
40																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
50																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
60																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
70																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
80																			
1																			
2																			
3																			
4																			
5																			
Total	2	71	108	55	62	66	41	33	438	6	277	30	2						315

Table 86.--Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1948

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27										
8										
9										
30									1	1
1								3	1	4
2						2	3	7	5	17
3						1	2	17	15	35
4						--	19	55	50	124
5						8	38	144	103	293
6						26	94	263	196	579
7				1	1	59	141	404	313	917
8			3	1	4	98	189	497	410	1,194
9			1	1	2	191	224	567	409	1,391
40		1	2	2	5	268	284	552	407	1,511
1	3	2	10	2	17	315	310	571	396	1,592
2	5	1	9	7	22	387	323	597	395	1,702
3	5	3	11	4	23	366	371	608	391	1,736
4	6	9	38	13	66	334	363	562	351	1,610
5	23	16	72	53	164	336	326	595	321	1,578
6	27	37	171	92	327	303	283	526	290	1,402
7	42	68	293	156	559	253	200	410	230	1,093
8	95	112	476	233	916	198	158	296	190	842
9	130	124	570	301	1,125	153	85	216	134	588
50	184	170	613	244	1,211	96	36	98	79	309
1	238	189	592	287	1,306	59	22	49	37	167
2	263	164	572	255	1,254	28	2	32	17	79
3	295	163	503	248	1,209	14	3	13	13	43
4	255	165	438	188	1,046	10	3	7	4	24
5	267	147	374	183	971	2	--	5	2	9
6	257	106	345	160	868		--	1	2	3
7	264	103	313	205	885		--	2	1	3
8	240	117	269	148	774		--	2		2
9	199	84	257	160	700		1	2		3
60	169	67	238	133	607					
1	157	73	224	104	558					
2	160	50	178	116	504					
3	133	50	143	98	424					
4	150	37	150	85	422					
5	108	41	93	70	312					
6	99	27	93	66	285					
7	85	22	76	73	256					
8	88	15	71	51	225					
9	68	13	58	36	175					
70	55	11	29	33	128					
1	45	9	37	22	113					
2	22	9	30	22	83					
3	16	6	18	20	60					
4	10	2	22	9	43					
5	12	3	6	10	31					
6	4	--	8	2	14					
7	1	1	6	3	11					
8	--		3	2	5					
9	--		1	2	3					
80	1		--	1	2					
1			--	1	1					
2			1		1					
3										
4										
5										
Number measured	4,181	2,217	7,417	3,903	17,718	3,507	3,480	7,101	4,763	18,851
Est. sample weight	16,547	6,932	25,335	14,429	63,243	6,469	5,249	11,929	7,827	31,474
Actual lbs. landed (thousands)	12,810	12,798	14,147	9,212	48,967	6,176	12,669	15,982	9,729	44,556
Est. number landed (thousands)	3,236	3,937	4,075	2,461	13,709	3,352	8,484	9,510	6,113	27,459



Table 88. -- Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1948

Length (cm.)	Age in years										Scrod									
	Large					Scrod					Scrod					Total				
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				1
5																				2
6																				3
7																				8
8																				9
9																				10
40																				15
1																				19
2																				20
3																				24
4		1							1											17
5			1						3											24
6			3						1											26
7			1						5											16
8			4	1					8											13
9			6	2					10											6
50			6	4					7											3
1			7	1	1				9											1
2			9	6	2				17											1
3			5	11	2				18											1
4			5	7	2				14											
5			3	12	2	1			18											
6				11	7	--			18											
7				8	7	1	1		17											
8				6	6	3	2		17											
9				5	7	4	--		16											
60				1	6	--	--		7											
1			--	8	7	1			16											
2				3	7	2	--		12											
3					6	2	3		11											
4					4	3	--	1	8											
5					1	4	2	1	8											
6						2	--	1	2											
7						4	2	3	--											
8						3	2	1	--											
9						1	3	--	--											
70							2	1	1											
1								1	1											
2									--	--										
3								1	1											
4									1	1										
5									--	--										
6									--	--										
7									--	--										
8									1	1										
9									--	--										
80									--	--										
1									--	--										
2									1	1										
3																				
4																				
5																				
Total	1	50	78	69	37	18	11	9	273		49	151	18							218

Table 89.--Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1948

Length (cm.)	Large									Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
30																			
1																			
2																			
3																			1
4																			4
5																			8
6																			30
7																			43
8																			40
9																			38
40																			39
1																			48
2																			44
3																			34
4																			49
5																			44
6																			49
7																			30
8																			17
9																			21
50																			12
1																			7
2																			7
3																			3
4																			2
5																			1
6																			2
7																			2
8																			1
9																			1
60																			--
1																			1
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
70																			
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
80																			
1																			
2																			
3																			
4																			
5																			
Total	2	325	215	164	77	68	40	28	919	2	230	274	18	4					578

Table 90. --Sample age composition of large and scrod haddock landings from Georges Bank for November 1948-

January 1949

Length (cm.)	Age in years									Scrod										
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
25																				1
27												1								--
8																				--
9																				--
30											2									2
1										1										1
2										2	1									3
3										1	--									1
4										1	5									6
5											8									8
6											19									19
7											30									30
8											35									35
9											22									22
40											33	1								34
1											31	4								35
2											13	17								30
3											14	1								15
4											11	11								22
5		2							2		6	25								31
6		6							6		2	16	2							20
7		10							10		2	16	--							18
8		11	4						15		1	11	1							13
9		17	2						19		1	11	--							12
50		23	5						28			6	2							8
1		25	4						30			4	1							5
2		33	12						45			5	1							6
3		22	14	2					38			2	--							2
4		16	14	1	1				32				--							--
5		16	18	4	--				38				1							1
6		3	17	4	--	1			25											
7		8	15	3	--	1			27											
8		4	22	6	1	--			33											
9		2	14	13	3	1			33											
60		1	10	11	3	2		1	28											
1		1	11	18	4	2		--	36											
2			8	10	2	7		--	27											
3			1	8	6	3		--	18											
4			1	8	7	2	3	1	22											
5				5	8	5	5	--	23											
6				3	3	4	--	1	11											
7				1	3	13	1	--	18											
8					1	2	4	1	8											
9					1	1	7	3	12											
70						--	3	7	10											
1						4	11	5	20											
2							3	7	10											
3							1	3	4											
4							2	2	4											
5								2	2											
6								4	4											
7								--	--											
8								--	--											
9								--	--											
80								--	--											
1								--	--											
2								--	--											
3								1	1											
4																				
5																				
Total		201	172	97	43	48	40	38	539	7	235	130	8							380

Table 91. --Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1949

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27								2		2
8								1		1
9						1				1
30						--	2	1		3
1						--	7	1		8
2						--	10	8	1	19
3						9	13	13	2	37
4						17	30	37	5	89
5						23	66	79	15	183
6						65	108	170	22	365
7						116	150	284	27	577
8						153	250	416	36	855
9						164	270	527	38	999
40		1		1	2	188	312	507	38	1,045
1		--		1	1	199	358	536	45	1,132
2	1	2	5	2	10	234	395	503	49	1,181
3	2	7	6	4	19	309	463	639	57	1,468
4	12	13	15	6	46	287	407	601	58	1,353
5	16	30	36	15	97	279	413	542	70	1,304
6	34	72	89	20	215	267	369	468	64	1,168
7	76	149	179	42	446	273	294	435	56	1,058
8	137	231	324	67	759	233	228	330	46	837
9	183	280	443	102	1,008	179	142	204	44	569
50	266	340	481	126	1,213	115	55	123	50	343
1	291	361	532	141	1,325	65	40	80	27	212
2	300	357	481	159	1,297	36	19	33	15	103
3	285	372	438	172	1,267	20	8	32	12	72
4	273	277	361	188	1,099	7	3	28	9	47
5	257	253	334	178	1,022	2	4	26	4	36
6	195	176	253	152	776	2	1	14	6	23
7	218	164	249	163	794	--		11	4	15
8	186	127	188	162	663	1		7	2	10
9	178	118	168	135	599			3	1	4
60	165	105	120	118	508			4	1	5
1	151	88	112	105	456			3	1	4
2	129	74	93	96	392			--		--
3	101	58	94	87	340			1		1
4	100	63	90	80	333					
5	112	41	83	68	304					
6	92	34	47	54	227					
7	85	34	50	48	217					
8	76	30	69	38	213					
9	52	19	48	24	143					
70	47	17	31	18	113					
1	42	18	35	22	117					
2	28	11	26	19	84					
3	24	14	14	18	70					
4	14	9	14	11	48					
5	18	5	14	6	43					
6	8	2	4	4	18					
7	11	1	4	1	17					
8	7	1	2	1	11					
9	3	1		--	4					
80	1	--		2	3					
1		2		2	4					
2				1	1					
3										
4										
5										
Number measured	4,176	3,957	5,532	2,659	16,324	3,244	4,417	6,663	805	15,129
Est. sample weight	16,121	11,909	18,822	10,742	57,594	6,044	6,741	11,681	1,580	26,046
Actual lbs. landed (thousands)	13,917	14,562	12,900	6,300	47,679	7,713	12,340	12,328	1,654	34,035
Est. number landed (thousands)	3,583	4,696	3,701	1,572	13,552	4,136	8,049	7,070	871	20,128



Table 93. --Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1949

Length (cm.)	Age in years															Total				
	Large					Scrod														
	1	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27											1									1
8																				--
9																				--
30																				--
1																				--
2																				--
3																				2
4																				9
5																				8
6																				16
7																				33
8																				39
9																				40
40																				60
1																				57
2																				55
3																				73
4																				86
5																				74
6																				65
7																				45
8																				48
9																				27
50																				14
1																				13
2																				5
3																				2
4																				3
5																				1
6																				--
7																				--
8																				1
9																				
60																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
70																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total		89	524	227	106	51	30	29	1056	1	165	511	100							777

Table 94.--Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1949

Length (cm.)	Age in years										Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27											1								1	
8											--								--	
9											8								8	
30											11								11	
1											11								11	
2											16								16	
3											12	1							13	
4											7	--							7	
5											10	6							16	
6											6	14							20	
7											1	32							33	
8											--	40	1						41	
9											1	50	4						55	
40												44	3						47	
1												54	6						60	
2												37	12						49	
3			1						1			23	17						40	
4			--						--			32	38						70	
5			1						1			17	35						52	
6			5	2					7			12	35						47	
7	4	4	--						8			12	31	1					44	
8	1	14	6						21			6	17	6					29	
9		17	3						20			2	19	3					24	
50		25	17	1					43				7	2					9	
1		18	28	1					47				3	1					4	
2		15	42	3					60				3	2					5	
3		9	34	--					43					--					--	
4		5	44	2					51						1				1	
5		5	44	8					57						1				1	
6		1	33	10	2				46					--					--	
7			333	13	--				46						1				1	
8			22	12	--	1			35											
9			13	15	--	--			28											
60			10	18	2	1			31											
1			3	12	6	1			22											
2			2	6	3	3	1		15											
3			--	6	4	2	--	1	13											
4			1	3	8	2	1	--	15											
5			1	4	8	5	1	--	19											
6				3	4	4	1	--	12											
7					1	2	2	--	5											
8					2	--	--	1	3											
9					1	6	3	1	11											
70					3	3	6	1	13											
1							3	2	5											
2							2	5	7											
3							2	3	5											
4							2	3	5											
5								2	2											
6								1	1											
7								3	3											
8								--	--											
9								1	1											
80																				
1																				
2																				
3																				
4																				
5																				
Total	5	120	338	117	44	30	24	24	702	84	382	231	18						715	

Table 95. --Sample age composition of large and scrod haddock landings from Georges Bank for November 1949-

January 1950

Length (cm.)	Age in years										Scrod										
	Large										Scrod										
	1	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																					
8																					
9																					
30																					
1																					
2																					
3																					
4																					
5																					1
6																					4
7																					8
8																					7
9																					13
40																					14
1			1							1											18
2																					35
3																					25
4																					26
5																					33
6																					23
7																					32
8																					25
9																					16
50																					18
1			1							1											12
2																					9
3																					5
4																					4
5																					1
6																					1
7																					2
8																					4
9																					1
60																					1
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
70																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
80																					
1																					
2																					
3																					
4																					
5																					
Total	16	151	316	117	50	25	14	10	10	700	36	161	128	12	1						338

Table 96. --Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock

landed from Georges Bank (ICNAF, 5Z) for 1950

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27										
8										
9								1		1
30								2	1	3
1						1	6	1	--	8
2						3	20	6	6	35
3						4	67	39	25	135
4						4	116	84	64	268
5						9	183	168	100	460
6						20	280	265	170	735
7						29	357	335	224	945
8						64	367	349	293	1,073
9				1	1	86	358	356	279	1,079
40	1		3	1	5	103	338	277	244	962
1	1	1	5	--	7	108	309	234	210	861
2	1	1	5	--	7	119	269	182	174	744
3	--	8	23	2	33	142	226	149	149	666
4	3	12	30	10	55	145	165	128	110	548
5	11	18	100	11	140	156	165	81	85	487
6	14	53	175	38	280	147	134	60	55	396
7	18	81	236	61	396	161	120	53	50	384
8	48	107	271	82	508	163	114	36	23	336
9	89	156	302	123	670	120	88	25	15	248
50	146	202	231	125	704	69	67	14	19	169
1	149	234	243	120	746	54	38	9	4	105
2	158	249	209	93	709	32	33	2	1	68
3	172	256	207	118	753	19	20	4	2	45
4	194	283	142	104	723	9	19	2	1	31
5	175	285	115	98	673	6	7	6	1	20
6	172	229	121	94	616	3	4	1	2	10
7	165	222	94	85	566	--	--	1		1
8	142	233	87	80	542	1	4			5
9	127	210	66	84	487	1	5			6
60	141	196	59	83	479	1				1
1	121	153	60	70	404	2				2
2	88	168	35	82	373	2				2
3	109	130	30	60	329	1				1
4	76	129	18	53	276	--				--
5	76	106	17	47	246	--				--
6	62	88	14	41	205	--				--
7	47	59	6	28	140	1				1
8	40	50	10	34	134	1				1
9	35	40	8	21	104					
70	41	44	3	13	101					
1	28	48	2	15	93					
2	20	26	1	9	56					
3	14	22	1	4	41					
4	15	17	1	9	42					
5	8	7	1	2	18					
6	8	7	1	3	19					
7	--	3	--	--	3					
8	3	1	--	--	4					
9	--	3	1	--	4					
80	--	1	--	--	1					
1	--			--	--					
2	1			1	2					
3										
4										
5										
Number measured	2,719	4,138	2,933	1,905	11,695	1,786	3,879	2,870	2,307	10,842
Est. sample weight	11,259	14,144	8,699	7,358	41,460	3,538	5,073	4,002	3,285	15,898
Actual lbs. landed (thousands)	8,939	10,968	7,351	5,435	32,693	2,626	10,862	22,052	11,585	47,125
Est. number landed (thousands)	2,160	3,241	2,440	1,395	9,236	1,340	8,544	15,609	8,151	33,644

Table 97. --Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1950

Length (cm.)	Age in years										Scrod										
	Large									Total	1	2	3	4	5	6	7	8	9+	Total	
27																					
8																					
9																					
30																					
1																					
2																					
3																					1
4																					3
5																					1
6	1	1								2											8
7	--	--								--											6
8	--	1								1											15
9	1	1								2											25
40	1	1								2											33
1	1	1								2											40
2	1	2								4											42
3	1	--	--							1											44
4		1	2	1						4											55
5		3	6	--						9											57
6		2	7	--						9											56
7		4	9	2						15											73
8		3	13	2						18											57
9		4	19	6						32											53
50		4	27	19	4					54											26
1		5	25	24	1					55											21
2		5	16	21	3	2				47											14
3		--	17	23	2	--				52											5
4		1	19	33	5	1				59											3
5			15	24	5	--				44											1
6			10	23	7	1				46											
7			4	34	5	--				43											
8			2	25	8	3				38											
9			3	24	10	--				37											
60			1	16	22	6	--	1		46											
1				14	12	11	1	--		38											
2				6	11	11	--	1		29											
3				5	16	5	1	2		29											
4				2	9	7	2	--		20											
5				3	5	5	4	4		21											
6					5	5	1	1		12											
7					1	4	3	3		11											
8						3	6	6		15											
9						2	2	1		5											
70						1	4	8		13											
1						2	6	--		8											
2							1	5		6											
3							1	3		4											
4							1	3		4											
5								2		2											
6								1		1											
7								--		--											
8								1		1											
9								--		--											
80								1		1											
1								--		--											
2								1		1											
3																					
4																					
5																					
Total	6	43	195	322	131	69	33	46	845		49	202	301	83	4						639

Table 98. --Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1950

Length (cm.)	Age in years										Scrod										
	Large										Scrod										
	1	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																					
28																					
29																					
30																					
1																					1
2													1								4
3													4								20
4													20								47
5													47								63
6													63								104
7			1							1			104	2							120
8			--							--			118	2							131
9			--							--			125	5	1						131
10			--							--			125	6	--						123
1			--							--			105	17	1						122
2			--							--			101	18	3						97
3			--							--			76	18	3						81
4			--							--			46	26	9						64
5			2							2			26	31	7						57
6			3							3			20	27	9	1					40
7	1	5	5							11			9	17	12	2					30
8	--	8	12	2						22			1	13	16						25
9	5	10	12	3						30		--	9	16							15
50			14	20	6	1				41		1	6	8							10
1			17	24	12	--				53			2	8							3
2			12	29	15	1				57				3							2
3			5	35	18	1				59				2							1
4			10	27	23	2				62				1							1
5			6	25	30	3				64				1							1
6			2	25	31	4				62											
7			1	5	40	6	2			54											
8			1	6	32	8	--			47											
9				4	31	10	1			46											
60				3	41	9	2			55											
1				2	25	16	4			47											
2				2	18	13	6			39											
3				--	24	12	3			39											
4				1	12	20	6	1		40											
5					2	12	11	1		26											
6					5	4	16	3	1	29											
7					3	12	10	5	2	32											
8					1	6	9	--	4	20											
9					1	3	6	5	5	20											
70					1	1	6	6	--	14											
1							--	5	3	8											
2							1	6	8	15											
3								4	4	8											
4								--	3	3											
5								1	2	3											
6								--	1	1											
7								--	1	1											
8								1	1	2											
9								--	--	--											
80								1	--	1											
1									1	1											
2																					
3																					
4																					
5																					
Total	6	97	237	376	144	83	39	36	1018		992	199	100	3							1294

Table 99. --Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1950

Length (cm.)	Age in years									Scrod									
	Large									Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
30																			
1																			
2															2				2
3															9				9
4															16				16
5															24				24
6															55				55
7															83				83
8	1								1						62	3			65
9	--								--						78	1			79
40	1								1						59	3			62
1	--								--						49	3			52
2	1	1							2						40	4	1		45
3	3	1							4						37	3	--		40
4	2	1			1				4						28	6	1		35
5	8	2	5	--					15						14	2	1		17
6	18	7	6	1					32						9	5	1		15
7	18	14	11	4	1				48						9	4	5		18
8	16	12	13	4	--				45						--	3	2	1	6
9	13	16	17	3	2	1			52						1	3	3	--	7
50	3	14	20	6	1	--			44						--	4	--		4
1	3	13	21	9	--	--			46						1	1	--		2
2	4	13	21	7	1	--			46						--	--	1		1
3	1	7	19	12	1	--			40						--	--	--		--
4	--	4	14	9	4	--			31						--	--	--		--
5	--	3	6	9	--	--			18							1	1		2
6	--	6	8	13	1	--			28							1			1
7	--	3	2	9	2	--			16										
8	1	2	4	10	--	--			17										
9		1	1	12	--	--			14										
60			4	7	1	1			13										
1				8	3	--			11										
2				1	4	--			5										
3				1	2	--			3										
4				--	4	1	1		6										
5				1	1	1	--	1	4										
6					3	1	--	--	4										
7					2	--	--	--	2										
8					1	1	--	--	2										
9						--	1	1	2										
70						1	--	--	1										
1						1	--	--	1										
2							--	--	--										
3							--	--	--										
4							--	--	--										
5								1	--	1									
6									--	--									
7									--	--									
8									--	--									
9									1	1									
80																			
1																			
2																			
3																			
4																			
5																			
Total	93	120	172	127	34	8	3	3	560		575	41	21	3					640

Table 100. --Sample age composition of large and scrod haddock landings from Georges Bank for November 1950-

January 1951

Length (cm.)	Age in years									Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
30																			
1																			
2											2	1							3
3											2	4							6
4											--	19							19
5											--	19							19
6												37							37
7											--	58							58
8											2	101							103
9												76							76
40												69							69
1												57	1	1					59
2												55	2	--					57
3												50	2	1					53
4	3								3			35	4	--					39
5	--								--			22	3	--					25
6	5	5	2						12			17	1	--					18
7	3	3	5						11			14	2	--					16
8	3	4	5						12			3	1	1					5
9	13	9	11						33			2	3	--					5
50	4	10	12	2	1				29			1	4	--					5
1	5	9	12	4	--				30			1	2	--					3
2	2	8	14	4	--				28			1	--	--					1
3	--	6	11	9	--				26				1	--					1
4	--	4	6	12	--				33				--	--					--
5	1	4	12	9	--			1	27				--	--					--
6		2	10	11	3			--	26				1	--					1
7		4	6	6	2	1	--		19										
8		1	6	14	3	1	--		25										
9		--	7	8	3	--	--		18										
60		1	4	12	5	--	--		22										
1		1	1	7	4	2	--	1	16										
2			4	12	3	2	--	--	21										
3			2	8	7	2	--	--	19										
4			3	7	2	3	--	--	15										
5				1	6	2	--	--	9										
6				3	4	--	--	--	7										
7				2	1	2	--	--	5										
8				2	1	1	1	--	5										
9				--	2	1	--	1	4										
70				1	1	--	--	--	2										
1					1	1	1	--	3										
2						1	--	--	1										
3							--	--	--										
4							2	2	4										
5							--	1	1										
6							1	--	1										
7																			
8																			
9																			
80																			
1																			
2																			
3																			
4																			
5																			
Total	39	71	143	134	50	19	6	5	467	6	641	26	5						678

Table 101. --Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1951

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27										
8										
9										
30										
1								3	1	4
2							7	4	3	14
3						4	21	20	12	57
4						6	31	24	27	88
5						21	75	55	57	208
6		1		1	2	30	97	64	81	272
7		1		--	1	48	114	91	95	348
8		--	2	--	2	76	143	123	102	444
9		1	2	--	3	84	193	130	110	517
40	1	4	--	1	6	104	259	149	100	612
1	--	3	3	1	7	94	286	222	125	727
2	--	4	4	2	10	82	297	243	144	766
3	--	5	4	2	11	95	348	270	142	855
4	3	13	19	7	42	74	334	291	172	871
5	5	33	52	8	98	89	266	247	169	771
6	16	89	119	16	240	59	226	217	159	661
7	32	151	190	45	418	48	190	136	139	513
8	40	195	272	92	599	38	133	82	118	371
9	48	222	314	142	726	28	75	53	80	236
50	72	229	316	191	818	23	49	36	51	159
1	74	248	258	191	771	7	25	11	30	73
2	72	224	237	156	689	6	7	7	21	41
3	89	220	169	171	649	1	3	8	9	21
4	82	161	145	135	523	1	2	3	4	10
5	112	112	111	134	469	1		--	1	2
6	95	136	95	135	461			--	1	1
7	126	112	87	95	420			--		--
8	130	110	54	80	374			1		1
9	106	89	74	64	333					
60	107	117	35	77	336					
1	87	98	38	75	298					
2	98	81	37	64	280					
3	98	79	42	82	301					
4	92	49	32	70	243					
5	70	55	27	58	210					
6	74	42	30	36	182					
7	54	52	34	50	190					
8	38	30	20	46	134					
9	36	28	10	41	115					
70	28	21	11	20	80					
1	27	17	7	14	65					
2	17	17	10	20	64					
3	9	3	12	20	44					
4	7	5	4	10	26					
5	3	2	2	6	13					
6	3	5	5	4	17					
7	3	1	1	2	7					
8		1		4	5					
9				1	1					
80				3	3					
1				1	1					
2				1	1					
3				1	1					
4										
5										
Number measured	1,954	3,066	2,884	2,385	10,289	1,019	3,181	2,490	1,953	8,643
Est. sample weight	8,236	9,535	8,987	10,034	36,792	1,709	4,725	4,252	3,452	14,138
Actual lbs. landed (thousands)	11,487	9,455	10,471	5,912	37,325	8,195	17,129	22,803	6,056	54,183
Est. number landed (thousands)	2,692	2,950	3,226	1,491	10,359	4,904	11,638	13,307	3,460	33,309

Table 102. --Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1951

Length (cm.)	Age in years									Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
30																			
1																			
2																			
3																			2
4																			--
5																			9
6														1					8
7													1	15					16
8													1	33					34
9														18					18
40													1	32	1	1			35
1														21	1	--			22
2														28	3	--			31
3														23	--	3			26
4			2						2					1	20	3	1		25
5			--						--					16	4	1	1		22
6			4		1				5					13	4	1	--		18
7			6		1				9					7	1	4	--		12
8			4		3		1		11					10	2	--	1		13
9			2		4		2		10					3	2	3	1		9
50			6		7		4		3					6	1	3	--		7
1			5		5		8		4					22	2	1	--		3
2					1		15		2					1	--	4	--		4
3					5		7		4					--	1	--	--		1
4					1		3		12		2			1	--	--	--		--
5					--		4		18		8			--	--	--	--		--
6					3		8		14		1			--	--	--	--		2
7					2		16		11		3			--	--	--	--		
8					1		15		19		1			--	--	--	--		
9					2		8		17		2			--	--	--	--		
60							3		18		6			--	--	--	--		27
1							3		13		3			1	1				21
2							3		14		5			2	--				24
3							5		12		6			4	--				27
4							5		10		5			5	2				27
5									6		6			2	1				15
6									10		7			2	2				21
7									4		9			2	1				16
8									4		4			--	1				9
9									2		6			1	3				12
70									--		--			2	3				5
1									1		1			3	1				6
2									--		--			2	3				5
3									--		--			1	2				3
4									1		2			1	4				4
5											2			2	2				2
6											--			--	--				--
7											2			2	2				2
8																			
9																			
80																			
1																			
2																			
3																			
4																			
5																			
Total			30	41	138	181	71	29	26	516		5	261	25	23	4			318



Table 104. -- Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1951

Length (cm.)	Age in years									Scrod										
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				2
2																				2
3																				6
4																				5
5																				16
6																				18
7																				28
8																				33
9	1								1											38
40	--	--							--											50
1	1								1											63
2	1	2							3											67
3	--	--							--											89
4	1	8							9											78
5	1	14	1	1					17											85
6	1	30	--	--					31											69
7	--	41	2	1					44											41
8	3	70	4	--					77											23
9	1	96	8	--					105											12
50	--	66	5	3					74											13
1	2	68	9	6	1				86											7
2	1	59	7	7	--				74											4
3		35	6	5	2				48											3
4		23	6	7	3				39											3
5		15	5	8	2				30											--
6		11	6	3	3				23											--
7		8	5	3	3	1	1		21											--
8		4	5	3	4	--	--		16											1
9		--	3	5	4	--	--		12											
60		1	2	6	4	--	--		13											
1			2	5	7	--	--		14											
2			3	7	4	3	--		17											
3			1	5	4	3	--	1	14											
4			1	2	3	3	--	--	9											
5			--	--	3	2	1	--	6											
6			1	1	3	3	1	1	10											
7			1	1	2	2	--	--	6											
8				--	2	1	--	--	3											
9				1	1	4	2	1	9											
70				2	1	2	2		7											
1				--	--	1	--		1											
2				1	2	1	1		5											
3					1		2		3											
4							--		--											
5							1		1											
6							1		1											
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total	13	551	83	83	59	26	12	3	830	16	233	495	10	1	1					756

Table 105. --Sample age composition of large and scrod haddock landings from Georges Bank for November 1951-

January 1952

Length (cm.)	Large									Scrod									Total	
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+		Total
27																				
8																				
9																				
30																				
1																				
2											2									2
3											2									2
4											5	5								10
5											11	7								18
6											10	12	2							24
7											8	15	--							23
8											8	20	5							33
9											4	17	7							28
40											3	15	7							25
1											2	26	16							44
2											1	25	13							39
3												20	22							42
4									1			21	30							51
5									1			13	41							54
6									3			16	36							54
7									11			10	34							45
8									16			6	26				1			34
9									32			1	20				--			22
50									28			--	11				--			12
1									4			30	3				2			8
2									1			29	5				2			8
3									1			21	6				4			8
4									1			22	6				9			4
5									1			16	9				2			2
6									1			11	4				3			
7									1			9	3				5			
8									1			5	6				5			
9									1			2	4				2			
60									1			3	6				8			
1									1			5	9				8			
2									1			4	6				3			
3									1			--	7				8			
4									1			1	9				10			
5									1			1	1				10			
6									1			1	2				3			
7									1			3	5				5			
8									1			2	4				6			
9									1			4	3				4			
70									1			4	--				2			
1									1			1	--				--			
2									1			1	2				1			
3									1			2	2				--			
4									1			--	--				--			
5									1			--	--				--			
6									1			--	--				--			
7									1			--	--				--			
8									1			1	1				--			
9									1			1	--				--			
80									1			--	--				--			
1									1			1	1				--			
2									1			--	--				--			
3									1			--	--				--			
4									1			--	--				--			
5									1			--	--				--			
Total	15	216	77	90	86	31	12	6	533	56	231	284	10	3						584

Table 106.--Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1952

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27										
8										
9										
30							1		1	2
1							5	1	2	8
2						1	4	7	7	19
3						1	26	14	25	66
4						7	78	55	48	188
5						23	108	106	102	339
6			1		1	27	215	158	154	554
7			--	1	1	46	294	218	181	739
8			--	1	1	74	320	280	224	898
9			1	3	4	64	350	329	269	1,012
40			--	1	1	82	330	340	327	1,079
1		1	4	4	9	110	301	275	314	1,000
2		--	2	4	6	122	246	258	295	921
3		--	4	3	7	153	197	204	305	859
4	4	2	7	14	27	163	200	168	284	815
5	9	10	20	49	88	158	159	139	206	662
6	19	25	50	69	163	170	141	95	141	547
7	32	73	101	143	349	160	170	85	126	541
8	52	128	160	231	571	126	106	53	80	365
9	91	173	240	291	795	115	79	28	51	273
50	126	192	279	330	927	84	63	22	36	205
1	159	228	273	367	1,027	38	34	15	12	99
2	166	252	239	310	967	27	16	4	8	55
3	146	217	211	342	916	16	18	4	1	39
4	167	182	161	282	792	4	5	2	1	17
5	130	146	131	242	649	6	1	2		9
6	113	152	101	246	612	1		--		1
7	109	111	80	218	518	1		--		1
8	107	83	66	195	451			--		--
9	68	84	43	143	338			4		4
60	65	59	36	106	266					
1	73	47	31	121	272					
2	54	48	34	79	215					
3	57	36	17	75	185					
4	50	43	20	73	186					
5	46	43	18	61	168					
6	30	30	10	54	124					
7	38	36	10	38	122					
8	28	37	18	40	123					
9	25	25	8	29	87					
70	21	27	4	39	91					
1	14	26	6	34	80					
2	5	16	10	18	49					
3	4	11	6	8	29					
4	4	4	4	7	19					
5	2	3	6	2	13					
6	--	5	1	1	7					
7	3	4	1	2	10					
8	--	1	2	3	6					
9	1	--	--	--	1					
80	1	1	--	2	4					
1			1	1	2					
2										
3										
4										
5										
Number measured	2,019	2,561	2,417	4,282	11,279	1,784	3,467	2,866	3,200	11,317
Est. sample weight	7,507	8,148	7,602	15,398	38,655	3,441	4,160	4,315	5,049	16,965
Actual lbs. landed (thousands)	4,448	9,909	7,716	5,668	27,741	3,394	19,255	22,640	10,615	55,904
Est. number landed (thousands)	1,170	3,010	2,347	1,569	8,096	1,734	13,974	14,950	6,868	37,526

Table 107. --Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1952

Length (cm.)	Age in years										Total								
	Large					Scrod													
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
30																			
1																			
2																			
3																			
4																			
5													1						1
6												2	3						5
7												2	4						6
8												2	6	3					11
9												4	10	1					15
40												6	7	8					21
1												1	9	8					18
2												--	7	20					27
3												--	13	18					31
4												1	10	32					43
5													8	25	1				34
6			2						2				3	32	1				36
7		1	2						3				6	37	--				43
8		1	4						5				6	28	1				35
9		--	8	1					9				4	33	3	1			41
50		--	8	3	1				12				4	24	8	1			37
1		--	21	7	--				28				1	12	3	2			18
2		3	23	8	3	1			38				2	7	6	--			10
3		--	17	5	4	1			27					8	2	--			10
4		2	11	10	4	1			28					3	1	--			4
5			23	9	3	2			37					--		1			1
6			5	9	3	6			23					1					1
7			12	3	6	1			22										
8			4	5	7	2	1		19										
9			3	4	8	3	1		19										
60			--	3	2	2	--		7										
1			1	1	3	4	1		10										
2			--	6	4	--			10										
3				5	4	1	--		10										
4				3	6	4	--	1	14										
5				2	7	2	1	--	12										
6				1	1	2	1	--	5										
7				--	1	1	--		2										
8					1	2	2	1	6										
9					2	2	1	--	5										
70					3	1	1	--	5										
1						1	--	--	1										
2						--	2	1	3										
3						--	--	1	1										
4						1	1	--	2										
5							1	--	1										
6								--	--										
7								--	--										
8								--	--										
9								--	--										
80								1	1										
1																			
2																			
3																			
4																			
5																			
Total		7	144	79	74	44	14	5	367		19	103	300	21	5				448

Table 108. --Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1952

Length (cm.)	Age in years										Scrod										
	Large										Scrod										
	1	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																					
8																					
9																					
30																					
1																					
2																					
3													4								4
4													9								9
5													23								23
6													32	1							33
7													69	5							74
8													91	7							98
9													97	15							112
40													88	20	2						110
1													79	17	2						98
2													68	21	2						91
3													60	23	8						91
4													30	26	11	1					68
5			1							1			18	22	9	--					49
6			1							1			8	27	25	--					60
7	1	3	4							1			8	23	14	6					51
8	3	8	9	1						21			3	19	29	1					52
9	--	7	26	1						34				16	18	1	1				36
50	2	9	35	--						46				10	16	--					26
1		4	39	3	1					47				6	14	1					21
2		10	46	7	--	1				64				6	10	--					16
3		9	52	10	1	--				72				2	3	--					5
4		4	48	7	3	--				62					3	--					3
5		5	33	13	6	1				58					1	1					2
6		3	28	9	5	1				46					--						--
7		2	24	10	4	1				41					1						1
8		1	17	9	9	3				39											
9			12	8	8	1				29											
60			10	5	5	3	2			25											
1			3	3	5	3	--			14											
2			4	1	6	2	--			13											
3			2	4	6	4	--			16											
4			5	2	6	4	1	1		19											
5				2	1	5	1	--		9											
6				2	5	3	--	--		10											
7				1	2	3	--	--		6											
8				--	5	3	--	--		8											
9				1	3	4	3	1		12											
70					1	2	3	--		6											
1					1	3	1	--		5											
2					2	1	3	1		7											
3						1	2	3		6											
4						1	--	1		2											
5						2	1	1		4											
6								--		--											
7								--		--											
8								--		--											
9								--		--											
80									1	1											
1																					
2																					
3																					
4																					
5																					
Total	6	67	397	99	85	52	17	13	736		687	266	168	11	1						1133

Table 109. -- Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1952

Length (cm.)	Age in years										Scrod										
	Large										Scrod										
	2	3	4	5	6	7	8	9+	Total		1	2	3	4	5	6	7	8	9+	Total	
27																					
8																					
9																					
30																					
1																					1
2																					2
3																					1
4																					22
5																					39
6																					40
7																					65
8																					79
9																					86
40																					101
1																					77
2									1												82
3									--												72
4									3												53
5									4												53
6									9												35
7									20												30
8									36												13
9									64												9
50									75												7
1									62												2
2									55												2
3									56												2
4									45												--
5									33												1
6									28												--
7									21												--
8									8												--
9									11												1
60									9												9
1									9												9
2									7												7
3									6												6
4									4												4
5									5												5
6									4												4
7									1												1
8									4												4
9									3												3
70									1												1
1									4												4
2									2												2
3									1												1
4									1												1
5									4												4
6									--												--
7									--												--
8									1												1
9									1												1
80																					
1																					
2																					
3																					
4																					
5																					
Total	20	124	332	67	25	13	7	9	597		624	188	61	1	1						875

Table 110. --Sample age composition of large and scrod haddock landings from Georges Bank for November 1952-

January 1953

Length (cm.)	Age in years										Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																			1	
2																			--	
3																			5	
4																			8	
5																			13	
6																			23	
7																			28	
8																			26	
9																			37	
40																			52	
1																			58	
2																			42	
3																			53	
4																			53	
5																			43	
6																			38	
7																			24	
8																			15	
9																			10	
50																			4	
1																			3	
2																			2	
3																			2	
4																			2	
5																			1	
6																			1	
7																			1	
8																			1	
9																			1	
60																			3	
1																			5	
2																			4	
3																			--	
4																			1	
5																			1	
6																			1	
7																			1	
8																			1	
9																			1	
70																			4	
1																			1	
2																			1	
3																			1	
4																			1	
5																			1	
6																			1	
7																			1	
8																			1	
9																			1	
80																			1	
1																			1	
2																			1	
3																			1	
4																			1	
5																			1	
Total	15	216	77	90	86	31	12	6	533		480	99	18						597	

Table 111.--Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock

landed from Georges Bank (ICNAF, 5Z) for 1953

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27										
8										
9									1	1
30									4	6
1						1	1		15	22
2						4	--	3	38	61
3						6	6	11	58	158
4						27	30	43	95	283
5						43	47	98	107	394
6						66	108	113	113	498
7						85	167	133	100	617
8						117	227	173	84	680
9			1		1	123	256	217	98	846
40			--		--	164	318	266	68	853
1			--		--	173	334	278	120	1,038
2			--		--	187	400	331	124	1,048
3			--	1	1	187	400	337	150	1,094
4	1		11	--	19	195	407	342	159	1,169
5	11	29	16	7	63	185	463	362	185	1,106
6	30	83	46	17	176	166	411	344	179	963
7	69	167	106	57	399	148	363	273	158	747
8	113	288	207	113	721	139	237	213	114	479
9	156	404	284	142	986	97	147	121	94	314
50	204	447	369	248	1,268	61	71	88	58	162
1	261	433	356	264	1,314	31	44	29	23	75
2	300	405	274	302	1,281	18	18	16	9	32
3	298	319	248	271	1,136	8	4	11	10	16
4	277	263	192	238	970	3	1	2	2	6
5	268	234	158	223	883	1	1	2	1	4
6	238	225	107	204	774	2	--	1	--	3
7	241	170	71	192	674		1	2	--	--
8	198	120	69	174	561				--	--
9	156	108	58	119	441				--	--
60	136	98	56	152	442				--	--
1	114	85	31	104	334				--	--
2	99	76	30	98	303				1	1
3	90	62	24	74	250					
4	84	40	15	66	205					
5	82	46	16	53	197					
6	78	35	21	39	173					
7	72	23	7	33	135					
8	51	19	6	37	113					
9	52	23	7	18	100					
70	55	11	8	27	101					
1	33	8	3	12	56					
2	38	17	4	6	65					
3	18	7	1	10	36					
4	26	7	--	8	41					
5	6	2	1	2	11					
6	4	2	--	1	7					
7	2	2	3		7					
8	2	3			5					
9	1	2			3					
80	--	1			1					
1	1				1					
2										
3										
4										
5										
Number measured	3,865	4,271	2,806	3,312	14,254	2,237	4,462	3,809	2,168	12,676
Est. sample weight	14,767	12,438	8,603	12,327	48,135	3,968	6,919	6,670	3,895	21,452
Actual lbs. landed (thousands)	7,954	9,635	8,274	5,824	31,687	7,129	15,702	11,493	3,465	37,789
Est. number landed (thousands)	2,059	3,199	2,698	1,571	9,527	3,971	10,069	6,395	2,042	22,477

Table 112. --Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1953

Length (cm.)	Age in years																		
	Large									Total	Scrod								
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
30																			
1																			
2																			
3																			
4																			2
5																			2
6																			15
7																			12
8																			12
9																			21
40																			20
1				1					1										18
2				--					--										29
3				--					--										34
4				--					--										31
5				2					2										35
6			1	2					3										18
7		3	4	7					14										28
8		1	2	9	1				13										20
9		1	5	9	3				18										19
50		--	5	14	2				21										8
1		--	7	9	3				19										4
2		1	9	24	8	2			44										2
3		--	10	17	4	2	1	1	35										
4		1	8	14	11	3	1	--	38										
5		1	5	15	5	3	--	--	29										
6			6	16	4	3	2	1	32										
7			--	17	8	5	--	--	30										
8			1	9	7	9	--	1	27										
9				6	7	2	2	1	18										
60				6	5	3	2	--	16										
1				6	7	4	3	--	20										
2				4	5	5	4	--	18										
3				3	5	2	2	--	12										
4				3	1	2	4	1	11										
5				3	3	2	1	2	11										
6				1	3	2	1	2	9										
7				2	--	1	4	1	8										
8					2	--	4	4	10										
9					1	2	3	1	7										
70					1	5	8	3	17										
1						--	1	1	2										
2						1	2	2	5										
3							--	--	--										
4							--	--	3										
5							1	--	1										
6								--	--										
7								--	--										
8								1	1										
9								--	--										
80								--	--										
1								1	1										
2																			
3																			
4																			
5																			
Total		8	63	199	96	58	46	26	496		3	206	101	19	1				330

Table 113. --Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1953

Length (cm.)	Large									Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9																			
30																			
1											1								1
2											--								--
3											--	2	2						4
4											--	1	3						4
5											2	3	2						7
6											--	4	3	1					8
7											--	10	8	--					18
8											--	7	25	2					34
9											--	8	37	1					46
40											--	--	39	2					41
1											--	4	51	6					61
2											--	6	70	9					85
3											1	3	65	9					78
4		1							1		--	--	66	10					76
5		--		1					1		--	--	79	27	1				107
6		7	6	3					16		--	--	66	18	1				85
7		10	7	9	1				27		1	63	19	2					85
8		28	9	6	--				43		--	24	13	1					38
9		27	18	16	2				63		--	16	22	1					39
50		20	19	23	2				64		--	6	10	1					17
1		25	20	11	5				61		1	4	6	4					15
2		11	11	35	8			1	66			--	3	--					3
3		7	8	6	2	1	--		24			1	1	1					3
4		3	9	17	3	3	--		35					1					1
5		3	12	34	3	1	--		53										
6		1	7	10	5	1	--		35										
7		1	4	24	1	2	1		36										
8			1	20	4	4	--		29										
9			3	5	7	--	2		17										
60			--	8	6	--	3		17										
1			1	6	3	6	2		18										
2			--	4	3	3	3		13										
3			--	6	2	1	--		9										
4			--	2	1	1	2		6										
5			1	--	1	3	3		8										
6				1	2	1	4	1	9										
7				1	--	2	--	--	3										
8				--	--	1	1	--	2										
9					1	4	2	--	7										
70				--	--	--	4	--	4										
1				--	--	1	1	--	2										
2					2	1			4										
3									--										
4									1										
5									1										
6																			
7																			
8																			
9																			
80																			
1																			
2																			
3																			
4																			
5																			
Total		144	136	256	67	39	29	3	674	4	50	630	159	13					856

Table 114. --Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1953

Length (cm.)	Age in years										Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3																				1
4											1									8
5											5	3								14
6											12	2								24
7											17	6	1							26
8											14	8	4							29
9											5	11	13							33
40											2	8	23							36
1											4	8	22	2						51
2												7	43	1						61
3												15	40	6						78
4												5	66	6			1			97
5			1						1			2	60	10	1	--				73
6			5	1					6			2	75	15	5	--				92
7			10	1					11				55	8	1	--				82
8			25	3	1				29				43	13	2	--				64
9			24	6	3				33				19	2	--	--				59
50	1	36	8	6					51				12	6	2	--				21
1	1	37	10	7	2				57				2	2	1					20
2		22	10	10	1				43				--	1						7
3		29	7	10	--				46				--	--						1
4		11	7	10	1	1			30				--	1						--
5		10	4	10	1	--			25				--							1
6		8	5	7	2	3			25				--							--
7		--	3	4	1	--			8				1							--
8		2	2	7	1	1			13											1
9			--	5	2	--			7											
60			3	3	--	--			6											
1				3	--	--			3											
2				1	1	--			2											
3				3	--	3			6											
4				2	--	1			3											
5				--	--	1	2		3											
6				4	2				6											
7					--				--											
8					--			1	1											
9					--			--	--											
70					1			--	1											
1								--	--											
2								1	1											
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
Total	2	220	70	96	15	10	2	2	417	60	80	537	90	18	2					787

Table 115. --Sample age composition of large and scrod haddock landings from Georges Bank for November 1953-

January 1954

Length (cm.)	Large									Scrod										
	1	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																				
8																				
9																				
30																				
1																				
2												2								2
3												5		1						6
4												7	2	--						9
5												23	8	1						32
6												15	5	--						20
7												12	6	5						23
8												15	6	8						29
9												6	6	2						14
40												4	8	7						19
1			1						1			2	4	4	2					12
2			--						--			5	20	2	1					28
3			1	1					2			3	31	3	--					37
4	2		2	1					5			1	29	1	--					31
5	4		--	2					6			1	22	6	--					29
6	8		3	4					15			--	16	8	2					26
7	7		13	10					30			1	26	5	--					32
8	3		16	20					39			1	16	8	--					25
9	--		11	16	3	1			31				9	2	--					11
50	4		17	22	1	--			44				5	6	2					13
1	2		12	19	4	--			37					2						2
2	1		13	21	4	--			39											
3			5	34	8	--			47											
4			8	13	6	1			28											
5			6	27	5	2			40											
6			4	28	3	2			37											
7			--	17	4	2	1		24											
8			2	14	4	4	--		24											
9			1	11	2	2	--		16											
60			--	3	4	3	--		10											
1			1	10	4	1	--		16											
2				5	1	1	2		9											
3				2	3	4	1		10											
4				1	2	4	2	1	10											
5				--	4	1	2	--	7											
6				--	--	6	1	--	7											
7				1	1	3	--	--	5											
8				--	3	1	1		5											
9					1	2	1	--	5											
70						2	1	--	3											
1							5	1	6											
2							--	1	2											
3							--	2	--											
4							1	--	1											
5								--	--											
6								1	--											
7									--											
8									--											
9									--											
80									1	1										
1																				
2																				
3																				
4																				
5																				
Total	31	116	282	64	44	18	7	3	565	91	57	202	45	5						400

Table 116. --Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock

landed from Georges Bank (ICNAF, 5Z) for 1954

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27										
8										
9										
30									1	1
1							1		--	1
2							13	4	2	19
3							38	11	6	55
4						1	108	21	8	138
5						5	248	66	34	353
6						10	416	125	52	603
7						23	616	230	92	961
8						38	851	351	175	1,415
9						62	1,010	429	214	1,715
40	1				1	49	1,005	539	307	1,900
1	--	1	1		2	62	930	596	310	1,898
2	--	2	6		8	71	985	661	396	2,113
3	--	4	10	6	20	73	694	659	380	1,806
4	3	27	29	6	65	96	556	588	379	1,619
5	--	63	96	18	177	105	409	519	302	1,335
6	2	139	197	24	362	98	292	366	295	1,051
7	12	193	318	57	580	85	210	249	192	736
8	21	372	438	73	904	88	151	164	119	522
9	60	448	383	102	993	95	71	74	83	323
50	91	539	395	106	1,131	69	46	23	47	185
1	117	496	324	109	1,046	47	27	17	21	112
2	128	455	254	108	945	36	11	3	14	64
3	149	461	244	99	953	35	5	3	8	51
4	168	354	193	115	830	15	2	1	5	23
5	156	304	161	93	714	8	2	1	2	13
6	150	241	114	104	609	3				3
7	138	181	108	65	492					
8	109	162	84	68	423					
9	103	135	68	55	361					
60	85	109	47	53	294					
1	85	92	39	36	252					
2	57	59	35	40	191					
3	51	58	27	20	156					
4	44	42	29	18	133					
5	27	42	14	15	98					
6	35	34	19	15	103					
7	28	18	9	15	70					
8	22	18	8	8	56					
9	18	10	11	1	40					
70	10	12	3	1	26					
1	5	12	5	4	26					
2	9	19	2	2	32					
3	5	12	6	--	23					
4	2	10	3	1	16					
5	4	--	1	1	6					
6	3	4	--	1	8					
7	1	6	--	1	8					
8		1	1	--	2					
9		--	--	1	1					
80		--	1		1					
1		1			1					
2										
3										
4										
5										
Number measured	1,899	5,136	3,683	1,441	12,159	1,174	8,697	5,700	3,444	19,015
Est. sample weight	7,207	14,641	10,728	5,004	37,580	2,405	11,489	9,409	5,968	29,271
Actual lbs. landed (thousands)	8,188	8,715	5,892	6,323	29,118	4,344	22,963	24,328	8,958	60,593
Est. number landed (thousands)	2,131	2,948	2,047	1,820	8,946	2,293	17,384	14,563	5,115	39,355

Table 117. --Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1954

Length (cm.)	Age in years										Scrod										
	1	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																					
8																					
9																					
30																					
1																					
2																					
3																					
4																					
5																				1	
6																				2	
7																				3	
8																				6	
9																				11	
40					1					1										12	
1				--						--										7	
2				--						--										5	
3				--						--										13	
4				1						1										6	
5				--						--										10	
6				1	--	1				2										18	
7				2	2	1				5										10	
8				3	3	3				9										9	
9				2	6	3				11										12	
50				2	5	4				12										6	
1				6	9	5	4			24										--	
2				1	4	9	1			14										3	
3				2	3	3	2			10										--	
4				1	6	7	2			16										3	
5				1	2	11	3			17										--	
6				2	4	10	2			18										--	
7					1	8	1			10										--	
8					3	5	1			9										--	
9					3	3	2	2		10										--	
60						5	3	--		8										--	
1						1	2	1		4										--	
2						1	2	2		5										--	
3							2	--		2										--	
4							3	1	1	5										--	
5							2	--	--	2										--	
6							2	1	--	3										--	
7							2	2	--	4										--	
8							1	1	--	2										--	
9							--	1	--	1										--	
70							1	--	--	1										--	
1							--	--	1	1										--	
2							--	--	1	1										--	
3							--	1	--	1										--	
4							--	--	--	--										--	
5							1	--	--	1										--	
6																				--	
7																				--	
8																				--	
9																				--	
80																				--	
1																				--	
2																				--	
3																				--	
4																				--	
5																				--	
Total				23	52	80	40	12	3	210				54	20	47	16				137

Table 118. --Sample age composition of large and scrod haddock landings from Georges Bank for May-July 1954

Length (cm.)	Age in years										Scrod									
	1	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				1
5																				4
6																				13
7																				1
8																				29
9																				3
40																				54
1																				4
2																				83
3																				6
4																				1
5																				84
6																				9
7																				1
8																				84
9																				5
1																				2
2																				74
3																				10
4																				4
5																				3
6																				7
7																				7
8																				2
9																				6
50																				1
1																				84
2																				5
3																				2
4																				7
5																				7
6																				2
7																				4
8																				5
9																				4
1																				2
2																				1
3																				2
4																				6
5																				2
6																				1
7																				2
8																				4
9																				2
50																				1
1																				14
2																				23
3																				6
4																				1
5																				--
6																				1
7																				--
8																				1
9																				--
1																				28
2																				--
3																				1
4																				--
5																				1
6																				--
7																				1
8																				--
9																				1
50																				--
1																				1
2																				--
3																				1
4																				--
5																				1
6																				--
7																				1
8																				--
9																				1
60																				--
1																				1
2																				--
3																				1
4																				--
5																				1
6																				--
7																				1
8																				--
9																				1
70																				--
1																				1
2																				--
3																				1
4																				--
5																				1
6																				--
7																				1
8																				--
9																				1
80																				--
1																				1
2																				--
3																				1
4																				--
5																				1
Total	5	15	146	133	106	20	21	5	451	1	595	74	49	7						726

Table 119. --Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1954

Length (cm.)	Age in years										Scrod									
	Large					Scrod					Scrod					Scrod				
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																				
3										1									1	
4																			--	
5														1	1				2	
6														5	--				5	
7														10	2				12	
8														17	3				20	
9														33	3	1			37	
40														40	7	--			47	
1				1					1					47	7	1			55	
2				--			1		1					48	11	--			59	
3	1			--			--		1					58	3	1	1		63	
4	2	1		--			--		3					48	5	3	--		56	
5	9	3	1	1			--		14					30	4	1	--		35	
6	12	6	4	--			--		22					18	4	3	--		25	
7	25	16	14	3	1	--	--		59					18	3	4	1		26	
8	21	21	9	4	2	--	--		57					18	2	3			23	
9	20	16	15	3	1	--	--		55					4	2	--			6	
50	10	6	17	5	4	--	--		42					1	--				1	
1	6	4	22	2	2	1			37						1				1	
2	3	3	17	5	3	--			31											
3	1	6	12	3	3	--	1		26											
4	--	2	9	4	2	1	1		19											
5	--	1	10	2	--	1	--		14											
6	1	1	4	2	3	--	--		11											
7		1	5	--	3	--	--		9											
8		1	5	--	1	--	--		7											
9			3	3	1	--	--		7											
60			1	--	2	--	--		3											
1			1	--	--	--	1		2											
2			1	1	--	1			3											
3			1		2	--			3											
4					1	1			2											
5					--	--		1	1											
6					--	--			--											
7					1	--			1											
8						--			--											
9						1			1											
70																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
80																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
Total	111	88	152	38	32	7	3	1	432	1	395	58	18	2					474	

Table 120. -- Sample age composition of large and scrod haddock landings from Georges Bank for November 1954-  
January 1955

Length (cm.)	Age in years										Scrod										
	Large									Total	Scrod									Total	
	1	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																					
8																					
9																					
30																					
1																					
2																					
3																					
4													1								1
5													--								--
6													1								1
7													8								8
8													8	1							9
9													26	1							27
40													28	1							29
1													47	2							49
2													49	1			1				51
3													60	2	--						62
4													64	8	2						74
5													48	4	1						53
6	1			1						2			42	5	1						48
7	1			--						1			38	6	2						46
8	--	1		2						3			20	10	3						33
9	--	1		2						3			11	10	--						21
50	2	2		9	1	1				15			8	6	2						16
1	1	2		9	3	3				19			4	1	4						9
2	2	1		15	2	3				--			--	--	2						2
3			2	12	6	4	1			--			1	3	1						5
4			1	12	2	4	--			--			--	2		1					3
5			1	9	3	4	--			--											17
6			3	5	2	5	1	1		--											17
7			1	7	4	6	--	--		--											18
8				4	2	3	1	--		--											10
9				--	6	5	--	--		--											11
60				5	--	--	--	--		--											5
1				3	1	1	--	--		--											5
2				--	--	1	--	1		--											2
3				1	1	3	--	--		--											5
4				--	--	1	--	--		--											1
5				1		1	1	--		--											3
6				--	--	3	--	--		--											3
7				1		1	--	1	1												4
8				--	--	1	--	--		--											1
9				1		1	1			3											3
70																					
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
80																					
1																					
2																					
3																					
4																					
5																					
Total	7	15	99	33	51	5	3	2	215		464	63	19	1							547

Table 121. -- Seasonal length frequency samples, estimated numbers and actual pounds of large and scrod haddock landed from Georges Bank (ICNAF, 5Z) for 1955

Length (cm.)	Large					Scrod				
	Spring	Summer	Fall	Winter	Total	Spring	Summer	Fall	Winter	Total
27										
8										
9										
30										
1										
2									1	1
3						1	1		--	2
4						--	4	3	3	10
5						9	13	15	15	52
6						12	24	28	14	78
7						33	71	37	18	159
8						42	93	86	37	258
9						70	173	136	60	439
40						82	227	198	59	566
1						105	290	265	98	758
2			1		1	135	401	329	123	988
3	1	2	1		4	146	463	381	147	1,137
4	--	4	7	1	12	184	529	448	152	1,313
5	1	9	7	4	21	185	589	455	199	1,428
6	10	20	16	6	52	206	500	510	238	1,454
7	18	47	67	16	148	202	504	451	214	1,371
8	59	127	137	41	364	191	413	452	249	1,305
9	69	195	210	100	574	137	295	295	217	944
50	100	262	343	144	849	123	231	192	185	731
1	150	284	390	258	1,082	70	127	135	108	440
2	156	296	389	225	1,066	34	44	71	94	243
3	167	254	359	298	1,088	16	18	25	28	87
4	152	215	279	260	906	11	10	9	26	56
5	128	180	228	237	773	1	2	4	8	15
6	146	153	177	185	661	2	1	--	2	5
7	112	141	129	138	520	--		2	--	2
8	100	104	111	119	434	1			--	1
9	106	85	82	100	373				1	1
60	94	79	82	92	347				1	1
1	85	73	64	89	311				--	--
2	66	51	46	68	231				1	1
3	55	51	60	66	232					
4	70	47	44	55	216					
5	49	25	50	55	179					
6	45	23	34	54	156					
7	27	17	30	35	109					
8	28	18	38	38	122					
9	24	12	29	22	87					
70	10	11	23	9	53					
1	11	11	22	13	57					
2	8	4	15	13	40					
3	7	6	7	6	26					
4	5	8	6	6	25					
5	2	1	3	3	9					
6	1	--	3	4	8					
7		1	--	--	1					
8		1	2	1	4					
9		--	1	--	1					
80		--	--	--	--					
1		1		2	3					
2										
3										
4										
5										
Number measured	2,062	2,818	3,502	2,763	11,145	1,998	5,023	4,527	2,298	13,846
Est. sample weight	7,901	8,803	11,543	10,480	38,727	3,954	8,998	8,862	4,933	26,747
Actual lbs. landed (thousands)	7,383	10,582	8,759	7,845	34,569	5,079	17,496	15,859	5,939	44,373
Est. number landed (thousands)	1,918	3,230	2,620	2,084	9,852	2,547	9,798	8,077	2,813	23,235

Table 122. --Sample age composition of large and scrod haddock landings from Georges Bank for February-April 1955

Length (cm.)	Age in years										Scrod									
	Large					Total					1	2	3	4	5	6	7	8	9+	Total
27																				
8																				
9																				
30																				
1																				
2																				
3																				
4																				
5																				
6																				1
7																				2
8																				--
9																				1
40																				--
1																				2
2																				8
3																				7
4	--	1								1										8
5		--								--										8
6		--								--										8
7		--								--										10
8			1		3	1				5										7
9		1	1		2	2	2			8										11
50		2	--		3	3	--			8										5
1		--	2		1	4	1			8										9
2		4	--		4	7	3	1		19										8
3		--	--		8	9	2	--		20										--
4		1	--		1	4	1	1		8										--
5			--		5	4	4	2		15										--
6			1		4	1	4	2	1	13										--
7			1		2	5	2	2	--	16										1
8			--		5	5	5	1	2	19										--
9			1		2	2	2	1	--	9										--
60					--	--	2	--	--	2										--
1					1	2	--	1	--	4										--
2					--	--	2	1	1	4										--
3					--	1	5	1	--	8										--
4					1	1	--	--	2	4										--
5					--	1	4	1	--	6										--
6					1	1	4	4	2	11										--
7						1	2	2	1	6										--
8						--	1	1	--	2										--
9						1	--	--	1	2										--
70							--	--	1	1										--
1							--	--	--	--										--
2							--	--	--	--										--
3							1	--	--	1										--
4																				--
5																				--
80																				--
1																				--
2																				--
3																				--
4																				--
5																				--
Total	--	11	10	44	56	51	19	9	200	--	--	37	26	29	4	2	--	--	98	



Table 124. -- Sample age composition of large and scrod haddock landings from Georges Bank for August-October 1955

Length (cm.)	Age in years									Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total
27																			
8																			
9												1							1
30												--							--
1												--							--
2												--							--
3												--							--
4												--							--
5												1	--	1					2
6												2	5	2					9
7												--	11	4					15
8												1	19	2					22
9												1	23	8					32
40													16	9					25
1													12	19	1				32
2													20	21	--				41
3			1							1			20	28	--				48
4			--							--			12	37	--				49
5			--							--			12	26	3				41
6			--							--			13	38	3				54
7			1	2						3			8	51	4				63
8			11	1						12			5	35	2				42
9			11	1						12			3	22	3	1			29
50			17	5	5	2				29			1	21	5	1	1		29
1			42	8	4	--				54			1	17	1	--			19
2			29	17	6	1				53			--	13	1	2			16
3			27	11	4	4	1			47			1	3		--			4
4			29	8	9	1	2			49				1		--			1
5			21	8	5	2	1			37				--		1			1
6			8	7	12	1	1			29				--		--			--
7			12	9	6	6	1	1		35				1					1
8			9	4	4	3	2	--		22									
9			2	4	10	2	3	--		21									
60			--	1	4	4	3	--		12									
1			--	3	6	7	1	--	1	18									
2			--	1	4	3	2	--	--	10									
3			1	2	5	4	2	1	--	15									
4				3	7	2	3	1	--	16									
5					2	1	1	2	1	7									
6					3	1	5	--	--	9									
7					1	--	1	--	--	2									
8					3	--	2	--	--	5									
9					--	2	--	1	--	3									
70					1	1	1	--	1	4									
1					1	--	1	2	--	4									
2						2	1	--	--	3									
3							--	--	--	--									
4							1	--	--	1									
5							--	1	--	1									
6							--	--	--	1									
7							1	1		2									
8																			
9																			
80																			
1																			
2																			
3																			
4																			
5																			
Total	--	221	95	102	49	36	10	4	517	5	183	359	23	5	1	--	--	--	576

Table 125. --Sample age composition of large and scrod haddock landings from Georges Bank for November 1955-

January 1956

Length (cm.)	Large										Scrod									
	2	3	4	5	6	7	8	9+	Total	1	2	3	4	5	6	7	8	9+	Total	
27																				
8																				
9																				
30																				
1																				
2																			1	
3																			1	
4																			4	
5																			2	
6																			5	
7																			13	
8																			10	
9																			15	
40																			8	
1																			21	
2																			21	
3																			22	
4																			19	
5																			24	
6																			29	
7																			14	
8																			32	
9																			34	
50																			28	
1																			10	
2																			9	
3																			5	
4																			--	
5																			--	
6																			--	
7																			1	
8																			--	
9																			--	
60																			--	
1																			1	
2																			8	
3																			11	
4																			21	
5																			16	
6																			22	
7																			12	
8																			12	
9																			6	
70																			8	
1																			1	
2																			3	
3																			1	
4																			2	
5																			3	
6																			1	
7																			1	
8																			2	
9																			--	
80																			1	
1																			1	
2																			--	
3																			--	
4																			--	
5																			--	
Total	--	155	54	109	78	36	14	12	458	19	98	197	13	2	--	--	--	--	329	



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